

# भारत का राजपत्र The Gazette of India

प्राधिकार से प्रकाशित  
PUBLISHED BY AUTHORITY

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No. 32] NEW DELHI, SATURDAY, AUGUST 6, 1988 (SRAVANA 15, 1910)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके ।  
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

## भाग III—खण्ड 2

### [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE  
PATENTS AND DESIGNS  
Calcutta, the 6th August 1988

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# ALTERATION OF AN ENTRY IN THE REGISTER OF PATENT AGENTS UNDER RULE 103 OF THE PATENTS RULES, 1972

In pursuance of an application on Form 52 the Address or service of Shri Sanjay Kumar Jain altered to :—

554, Western Wing,  
Lawyers Chambers Complex,  
New Courts, Tis Hazari,  
Delhi-110 054.

## APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE 234/4ACHARYA JAGADISH BOSE ROAD, CALCUTTA-20

The dates shown in the crescent brackets are the dates claimed under Section 135, of the Patents Act, 1970.

The 29th June 1988

534/Cal/88. Azerbaidzhansky Nauchno-Issledovatel'skiy I Proektiro-Konstruktorskiy Institut Neftyanogo Mashinostroyeniya Azinmash. Device for gripping and suspending drill pipe stand.

535/Cal/88. Edlon Products, INC., Polymer-Metal Bonded composite and Method of Producing Same.

536/Cal/88. Jencorp Nominees Limited. Wall Frame Structure.

537/Cal/88. Dr. B. P. Sinha. Five Tyne Bullock drawn Tiller.

The 30th June 1988

538/Cal/88. Sachindra Prosad Saha. Separators for Battery Plates of Accumulators.

539/Cal/88. Hitachi Construction Machinery Co., Ltd. Hydraulic Drive System.

The 1st July 1988

540/Cal/88. Oki Electric Industry Co., Ltd. Contention Control System.

541/Cal/88. In Vitro Technologies, INC., Immunoassay of Multiple Analytes.

542/Cal/88. Lanxide Technology Company, I.P. Method for producing Ceramic/Metal Heat Storage Media, and to the Product thereof.

543/Cal/88. Olajipari Fovallalkozo Es Tervezo Vallalat. Process for the Recovery of Condensable vapours from a Gas-Vapour Mixture and for the Separation thereof. (Divisional date 24th July, 1986).

544/Cal/88. Geostar Corporation. A Remote Transceiver for Receiving and Responding to Error-Coded Interrogation Signals. (Divisional date 30th August 1985).

The 4th July 1988

545/Cal/88. Rameshwar Agrawal. A precast concrete frame for doors, windows, ventilators and other like provisions for buildings.

546/Cal/88. (1) Truman V. Sylling, (2) Stephen Allen. Method for desalination and rehabilitation of irrigated soil.

547/Cal/88. Lanxide Technology Company, LP. Methods for forming complex oxidation reaction products including superconducting articles.

548/Cal/88. Bhairab Chandra Bhattacharva. Monoclonal antibody against synthetic peptides for inducing anti-idiotypic antibody in vivo to control human immunodeficiency virus infection.

549/Cal/88. Ferraz. Reverse current device for railway vehicles.

550/Cal/88. Voest-Alpine Maschinenbau Gesellschaft m.b.H. Frog.

551/Cal/88. Quantum Chemical Corporation. Improved process for the preparation of substituted furanones.

552/Cal/88. Micromedical Industries Pty. Limited. Portable physiological monitor, portable pacemaker monitor. (21st January 1988) Australia.

The 5th July 1988

553/Cal/88. Anand Swaroop Mahajan. A new technique for achievement of the forming forces in high velocity forming methods.

554/Cal/88. Adolf Herbet Astor Zielinski. Method and apparatus for converting stationary magnetic energy into mechanical energy.

555/Cal/88. Dr. Ananda Chanda and Mr. Santosh Kr. Chanda. Device for measuring depth of lakes rivers, seas and oceans.

556/Cal/88. E. I. Du Pont De Nemours and Company. Gas-phase fluorination process.

557/Cal/88. Siemens Aktiengesellschaft. Releasable connection arrangement.

558/Cal/88. Indian Aluminium Company Limited. Improved lubricant composition for microfog lubrication.

559/Cal/88. IEL Limited. Process for the production of 4-Nitrodiphenylamine.

## APPLICATION FOR PATENTS FILED AT THE PATENT OFFICE BRANCH

MUNICIPAL MARKET BUILDING, IIIrd FLOOR  
KAROL BAGH, NEW DELHI-5

The 6th June 1988

495/Del/88. Carol D. Pichette. "Insulating bats sag-preventing wall frame stud". (Convention date 6th July, 1987) (Canada).

496/Del/88. Amoco Corporation. "Composition and method for immobilizing cells and enzymes in a carrier matrix". [Divisional date 31st October, 1985].

497/Del/88. Ruhrkohle Aktiengesellschaft. "Ceramic hollow plug for coke oven doors".

The 7th June 1988

498/Del/88. Peavey Electronics Corporation. "Superdistorted amplifier circuitry with normal gain control".

499/Del/88. Mobil Solar Energy Corporation. "Method of fabricating solar cells with silicon nitride coating".

500/Del/88. Alcatel N. V.. "An orthogonal-polarization duplex send-receive microwave head".

501/Del/88. Voest Alpine Industrieanlagenbau Gesellschaft m.b.H.. "Ladle slagging stand".

502/Del/88. Dryacide Pty. Ltd. & Agnew Clough Ltd.. "A process for preparing a powdered insecticidal composition". [Divisional date 15th November, 1985] & (Convention date 16th November, 1984) (Australia).

503/Del/88. Sparbanken Syd., "A reflector for parabolic antennae".

The 8th June 1988

504/Del/88. Ashok Kumar, "Double thrust bearing castor".

505/Del/88. The Lubrizol Corporation, "A lubricant composition for use in two-cycle internal combustion engines". [Divisional date 7th November, 1985].

The 9th June 1988

506/Del/88. Steel Authority of India Ltd., "A process for producing sponge iron containing high carbon in a rotary kiln and an apparatus therefor".

507/Del/88. Centre Technique Cuir Chaussure Maroquinerie, "Process and apparatus for automatic finishing of flexible materials, and particularly leathers and hides".

508/Del/88. Council of Scientific & Industrial Research, "Development of a process for the low temperature reduction of chromite over burden to extract nickel and cobalt".

509/Del/88. Council of Scientific & Industrial Research, "Process for the preparation of a novel crystalline aluminosilicate, encillite-12".

The 10th June 1988

510/Del/88. Hindustan Sanitaryware & Industries Ltd., "An improved process for formulating a high efficiency ceramic glaze for sanitaryware and other white-ware manufacture".

511/Del/88. Pankaj Gupta & Salil Gupta, "Low gas indicator cum gas leak detector".

512/Del/88. Guy Dion Biro and Renan De Bona Biro, "Process for the preparation of an emulsifying agent containing a C 14 fatty alcohol, use of the emulsifying agent mixed together with a hydraulic cement, and a process for the preparation of an expanded or cellular construction elements".

The 10th June 1988

513/Del/88. Skandigen A. B., "Hyaluronic acid derivatives and their preparation". (Convention date 11th June, 1987) (U. K.).

514/Del/88. The Lubrizol Corporation, "An aqueous system and a lubricant composition". [Divisional date 5th November, 1985].

The 13th June 1988

515/Del/88. Punjab Tractors Limited, "Multicrop thresher".

516/Del/88. Bertin & Cie, "A method and a device for determining the number of people present in a determined space".

517/Del/88. Palime S.A., "Improved metal container". (Convention date 13th February, 1985) (Australia) & [Divisional date 1st November, 1985].

518/Del/88. Lipha, Lyonnaise Industrielle Pharmaceutique, "A process for preparing thieno and furo [2, 3-c] pyrroles". [Divisional date 22nd October, 1985].

The 14th June 1988

519/Del/88. Nikolai Mikhailovich Novikov & others, "Turbomolecular vacuum pump".

520/Del/88. PPG Industries, Inc., "Method and apparatus for melting and refining glass material of the like".

521/Del/88. The procter & Gamble Co., "Laundry detergent bar containing linear alkyl benzene sulfonate".

The 15th June 1988

522/Del/88. The Lubrizol corporation, "A polymeric composition". [Divisional date 14th November, 1985].

523/Del/88. The Lubrizol Corporation, "A polymeric composition". [Divisional date 14th November, 1985].

524/Del/88. Emhart Industries, Inc., "Locking mechanism for multifunctional electronic lock".

525/Del/88. FMC Corporation, "Convention of pyrethroid isomers to more active species".

The 16th June 1988

526/Del/88. Council of Scientific & Industrial Research, "An improved reforming process for the catalytic conversion of petroleum fractions to mixture of hydrocarbons rich in aromatics".

527/Del/88. The procter & Gamble Company, "Liquid detergent containing perborate bleach".

The 17th June 1988

528/Del/88. Schweizerische Isola-Werke, "Method for the manufacture of impregnable desintegrated-mica tapes with accelerator incorporated". [Divisional date 13th March, 1986].

529/Del/88. Schweizerische Isola-werke, "Method for the manufacture of impregnable desintegrated-mica tapes with accelerator incorporated". [Divisional date 13th March, 1986].

The 20th June 1988

530/Del/88. Mitsui Toatsu Chemicals, Inc., "A process for preparing an aqueous biocide composition".

531/Del/88. Sangame Weston, Inc., "Integrated poly-phase power meter".

532/Del/88. PPG Industries, Inc., "Method of protecting lid of heating vessel for melting glass batch".

533/Del/88. UOP Inc., "Improved fluidizing gas distribution device".

The 21st June 1988

534/Del/88. Council of Scientific and Industrial Research, "A process for the preparation of nojirimycin and its analogues from simple sugar derivatives".

535/Del/88. National Research Development Corporation & Nagpur University, "A process for the preparation of limonin from citrus seeds".

536/Del/88. A. I. T. Applications Industrielles & Thermiques, "Method and apparatus for the continuous chemical cleaning of heat generators".

537/Del/88. Ciba-Geigy AG., "Emulsions". (Convention date 25th June, 1987) (U. K.).

538/Del/88. Ciba-Geigy AG., "Process for the preparation of  $\alpha$ -fluoroketones".

539/Del/88. La Telemecanique Electrique. "A device for rendering contractors electrically and mechanically inoperative".

540/Del/88. Wilkinson Sword Gesellschaft Mit Beschränkter Haftung. "Process to produce a hydrophilic coating on a moulded part and shaver manufactured by applying the process".

The 22nd June 1988

541/Del/88. Maharaj Singh. "Faujdar". Seven star master calendar".

The 23rd June 1988

542/Del/88. The Protector & Gamble Co.. "Detergent/softening compositions containing hectorite clays".

543/Del/88. Shell Oil Co.. "Method for crystallizing magnesium chloride for use in a catalyst composition".

The 24th June 1988

544/Del/88. The Lubrizol Corporation. "Transmission fluids and hydraulic fluids". [Divisional date 14th November, 1985].

APPLICATIONS FOR PATENTS FILED IN THE PATENT OFFICE BRANCH AT TODI ESTATES, THIRD FLOOR, SUN MILL COMPOUND, LOWER PAREL (WEST), BOMBAY-13

The 19th May 1988

134/Bom/88. Hemkunver G. Maroo. An improved electric flour mill.

The 20th May 1988

135/Bom/88. Vijay Ambubhai Sheth. A method of manufacturing a tool bit for drilling holes having square and higher polygonal cross sections.

136/Bom/88. Vijay Ambubhai Sheth. A method of drilling a hole in a plate or other pieces whose cross section is a square or polygon.

137/Bom/88. Anip Faucets Pvt. Ltd. Hot or cold basin cock.

The 23rd May 1988

138/Bom/88. Prashant Shankarrao Kale. Mounting mechanism for a portable mast drill with stelling ram.

139/Bom/88. Bajaj Auto Ltd. Cover for seats of two wheeler motor vehicles and such seats fitted with said cover.

140/Bom/88. Pritam Lal Rajak. Three directional fan cum cooler.

The 24th May 1988

141/Bom/88. Sharad Kagal, P. Hd. An improved process for removal of all residual impurities present in purified glyoxal by ion exchange technique.

The 25th May 1988

142/Bom/88. Karsan Ramjibhai Dholaria. A wind mill running by wind and by agriculture waste.

The 27th May 1988

143/Bom/88. Hemant Madhukar Ranadive & Nitin Babubhai Mehta. Multiplaten printing machine.

144/Bom/88. Kambyan Valapil Radhakrishnan Nair. Process for special blank making for metal processing in solid state.

145/Bom/88. Kambyan Valapil Radhakrishnan Nair. Method for extruding thin walled hollow sections and tubes.

146/Bom/88. Kambyan Valapil Radhakrishnan Nair. Process for anti-foul guard for suitcase locking.

147/Bom/88. Kambyan Valapil Radhakrishnan Nair. Process for anti-foul guard for suitcase locking.

148/Bom/88. Kambyan Valapil Radhakrishnan Nair. Rotary device for converting alternating current to direct current and vice versa.

149/Bom/88. Kambyan Valapil Radhakrishnan Nair. Device for keeping automobile seat cushions cool while sitting.

150/Bom/88. Kambyan Valapil Radhakrishnan Nair. Solar Energy intensifier.

151/Bom/88. Kambyan Valapil Radhakrishnan Nair. Remote control audio electric switches.

The 27th May 1988

152/Bom/88. Hindustan Lever Ltd. High shear mixing. 28th May 1987. Great Britain.

The 30th May 1988

153/Bom/88. Devendra Somabhai Naik. Rapid jet dyeing machine with a very low material liquor ratio of 1:2 to 1:3.

The 31st May 1988

154/Bom/88. M. D. Agrawal. Mini Nicotine scatter for cigarette or cigar or bidi.

155/Bom/88. M.D. Agrawal. Memory playing cards.

156/Bom/88. Eagle Flask Industries (India) Pvt. Ltd. An improved tap.

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS-600 002.

The 13th June 1988

396/Mas/88. Chivukula Sreerama Prabhu. A design methodology and algorithms for implementing Sanskrit language on a Computer System is developed.

397/Mas/88. Sers-Societe Des Electrodes Et Refractorics Savoie. Arrangement to prevent the molten core of a nuclear reactor from penetrating into the ground.

398/Mas/88. Chevron Research Company. Multi-stage catalytic reforming with high rhodium content catalyst.

399/Mas/88. Carclo Engineering Group PLC. Improvements in or relating to textile carding.

(June 12, 1987; United Kingdom).

The 14th June, 1988

400/Mas/88. P. J. Kurian. Control of rats and squirrels which attack on cocoa.

401/Mas/88. Union Carbide Corporation. Isomerization process and apparatus.

402/Mas/88. GEC Plessey Telecommunications Limited. A call monitor arrangement. (June 24, 1987; United Kingdom).

403/Mas/88. Digital Equipment Corporation. Parallel Associative memory.

## The 15th June 1988

- 404/Mas/88. Dartnall Engineering & Innovation Pty. Ltd. A rotary/reciprocatory. (June 15, 1987; Australia).
- 405/Mas/88. Dana Corporation. Thermally conductive composite gasket.
- 406/Mas/88. Union Carbide Corporation. Pressure swing adsorption control method and apparatus.
- 407/Mas/88. Dow Corning Corporation. Heat-curable silicone compositions comprising fumarate cure-control additive and use thereof. (May 6, 1988; Canada).
- 408/Mas/88. Air Products and Chemicals, Inc. Process for the production of gaseous nitrogen by the low temperature distillation of in two distillation columns. (Divisional to Patent Application No. 129/Mas/85).

## The 16th June 1988

- 409/Mas/88. Mobile Oil Corporation. Manufacture of distillate hydrocarbons from light olefins in stages reactors.
- 410/Mas/88. Hochtst Aktiengesellschaft. Process for the preparation of a polyolefin with a wide molecular mass distribution.
- 411/Mas/88. Hoechst Aktiengesellschaft. Process for the preparation of 1-oleum polymers.
- 412/Mas/88. Hunter Douglas International M. V. Honeycomb Product.

## The 17th June 1988

- 413/Mas/88. IDL Chemicals Limited. Improvements in or relating to delay devices used in delay blasting.
- 414/Mas/88. GEC Plessey Telecommunication Limited. A tilting-floor bucket coin escrow. (July 15, 1987; United Kingdom).
- 415/Mas/88. Stamicarbon B. V. Process for the preparation of ultrastretchable polymer material, ultra-stretchable material, as well as a process for the manufacture of objects.
- 416/Mas/88. Pfaudler-Werke. Method for detecting of a damage of a corrosion-resistant protective layer and measuring device for performing the method.

## The 20th June 1988

- 417/Mas/88. Shalimar Comptech Private Limited. A ready to refill pack for various types of nylon ribbon cassetts used in electronic typewriters.
- 418/Mas/88. Merlin Gerin. Rotary switch with curved arc root migration track.
- 419/Mas/88. Inventio AG. Control equipment for a lift installation.
- 420/Mas/88. Shantilal Pranshankar Joshi. A gauge for the liner measurement of the inner and outer dimensions of an object.

## The 21st June 1988

- 421/Mas/88. Dynamic Engineering Inc. Flutter exciter.

422/Mas/88. Enichem Synthesis S.p.A. Liquid composition polymerizable to yield organic glasses endowed with high thermal stability.

423/Mas/88. A. Ahistrom Corporation. Combustion of fuel containing alkalines.

424/Mas/88. Digital Equipment Corporation Overwriting system for magneto-optical recording.

## The 22nd June 1988

425/Mas/88. F. Hoffmann-La Roche & Co. Hydrocinnamic acid derivatives.

426/Mas/88. Metal Box Plc. Reducing the diameter of tubular bodies. (June 30, 1987; Great Britain).

427/Mas/88. Istituto Nazionale per La Ricerca Sul Cancro. Method for preserving transplantable sheets of epithelium cultured in vitro.

## The 23rd June 1988

428/Mas/88. Bechtel Group Inc. Use of seawater in flue gas desulfurization.

429/Mas/88. Chevron Research Company. Lubricating oil compositions and fuel compositions containing substantially straight chain alkylphenyl poly (oxypropylene) Aminocarbamates.

## The 24th June 1988

430/Mas/88. L. G. Varadaraj. A new material for kitchen wet grinding stone.

431/Mas/88. L.G. Varadaraj. A post cure inflation.

432/Mas/88. L.G. Varadaraj. A locking the central axle of grinding stone from the top.

433/Mas/88. L. G. Varadaraj. A elimination of sanding operation in precured treads.

434/Mas/88. L. G. Varadaraj. A uninfated precured retreading.

435/Mas/88. Merlin Gerin. Rotating arc and expansion circuit breaker.

436/Mas/88. N. V. Raychem S. A. Recoverable article. (June 25, 1987; United Kingdom).

437/Mas/88. Maschinenfabrik Rieter AG. A spinning machine producing threads from staple fiber feed stock.

438/Mas/88. Schubert & Salzer Maschinenfabrik. A method and drive for automatically feeding a staple silver.

## ALTERATION OF DATE

163090.

(640/Cal/86).

Ante dated to 12th Augut, 1983.

## COMPLETE SPECIFICATION ACCEPTED

(See Page 755)

## CLAIM ON FORM 10 UNDER SECTION 20(1) OF THE PATENTS ACT 1970

In pursuance of leave granted under Section 20(1) of the Patents Act 1970 application No.156268 of Bandag incorporated has been allowed to proceed in the name Bandag Licensing Corporation.

## AMENDMENT PROCEEDINGS UNDER SECTION 57

Notice is hereby given that Algas Resources Ltd., a company incorporated under the laws of the Province of Alberta, Canada of Bow Valley Square 2, 205 Fifth Avenue S. W., Box 9294, Calgary, Alberta, Canada has made an application under section 57 of the Patents Act, 1970 for amendment of the application form, specification of their application for Patent No. 154/Del/80 for "Method for Recovering Methane from Coal Seams". The amendments are by way of correcting the name of the applicant company in the application form and specification from "Algas Resources Ltd." to "Noval Technologies Ltd.". The application for amendments and the proposed amendments can be inspected free of charge at the Patent Office Branch, M. M. Building, Saraswati Marg, Karol Bagh, New Delhi-110 005 or copies of the same can be had on payment of usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on form 30 within 3 months from date of this notification at Patent Office Branch, Delhi. If written statement of opposition is not filed with the notice of opposition, it should be filed within one month from date of filing of said notice of opposition.

## AMENDMENT PROCEEDINGS UNDER SECTION 78 OF THE PATENTS ACT 1970

Clerical Errors in respect of application for Patent No. 159207 under Section 78 has been allowed.

## PATENTS SEALED

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159465	159466	159520	159861	159884	159896	159897
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## RENEWAL FEES PAID

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## CESSATION OF PATENTS

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## REGISTRATION OF DESIGNS

The following design have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class 1. No. 159253. Peico Electronics and Electricals Limited, of Shivsagar Estate, Block 'A', Dr. Besant Road, Worli, Bombay-400 010, Maharashtra, India, an Indian Company. "a Stereo Radio Recorder Speaker". 11th January, 1988.

Class 1. No. 159269. Polar Fan Industries Limited, of Podar Point, 113, Park Street, 8th Floor, Calcutta-700 016, West Bengal, India, an Indian Company. "Ceiling fans". 13th January, 1988.

Class 1. Nos. 159280 & 159281. M. R. Products, a Registered Partnership firm carrying business at 215-A Rangoonwala Compound, Maulana Azad Road, Madanpura, Bombay-400 008, Maharashtra, India. "Burner head of stove". 15th January, 1988.

Class 1. No. 159324. Rustom & Company, 8-2-541/8, Road No.-7, Banjara Hills, Hyderabad-500 034, Andhra Pradesh, India, An Indian Registered Partnership firm. "Shuttle Multi purpose Circular Loom Cam". 27th January, 1988.

Class 1. No. 159353. M/s. Sonalika Consultants Private Limited, whose address is Industrial Estate, Jalandhar Road, Hoshiarpur-146 001 (Punjab State) (India), which is an Indian Company. "Grain-Cleaning-Blower". 28th January, 1988.

Class No. 159355. Modesto Refrigeration Corporation. An Indian Partnership firm. "Grill for air Conditioner". 28th January, 1988.

Class 1. No. 159444. Polar Fan Industries Limited, of Poddar Point, 113, Park Street, 8th Floor, Calcutta-700 016, West Bengal, India, an Indian Company. "Ceiling fans". 1st March, 1988.

Class 3. No. 159251. Peico Electronics and Electricals Limited, of Shivsagar Estate, Block 'A', Dr. Annie Besant Road, Worli, Bombay-400 010, Maharashtra, India, an Indian Company. "a Portable Radio". 11th January, 1988.

Class 3. No. 159259. Peico Electronics and Electricals Limited, of Shivsagar Estate, Block 'A', Dr. Annie Besant Road, Worli, Bombay-400 010, Maharashtra, India, an Indian Company. "a Two Band Portable Radio". 12th January, 1988.

Class 3. Nos. 159260 & 159261. Peico Electronics and Electricals Limited, of Shivsagar Estate, Block 'A', Dr. Annie Besant Road, Worli, Bombay-400 010, Maharashtra, India, an Indian Company; "a Stereo Radio Recorder". 12th January, 1988.

Class 3. No. 159262. M/s. Parasales (India) Regd., B-24/2 Wazipur Industrial Area, Delhi-52, India, an Indian Partnership firm. "Lunch Box". 12th January, 1988.

Class 5. No. 159238. Peekay Offset Printers, J/4-17B Rajouri Garden, Bhagwati Niwas, New Delhi-110 027 and Indian Proprietorship concern. "a CARDS". 5th January, 1988.

Class 10. No. 159171. Rekhas 'Novel Products, 4/404, Nagar, Opp; CTI, Eastern Express Highway-Chunabhatti, Bombay-400 022, State of Maharashtra, Nationality Indian. "Foot Covers". 17th December, 1987.

*Extn. of Copyright for the Second Period of five years.*

No. 157332. Class-1.

Nos. 157333, 157840, 157853. Class-3.

*Extn. of Copyright for the Third Period of five years.*

No. 157332. Class-1.

Nos. 157333, 157840, 157853. Class-3.

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CLASS : 86 B. 163061

Int. Cl. : A 47 D-1/00, 9/00.

#### BABY CHAIR CUM CRADLE.

Applicants & Inventors : RAMESH KUMAR JAIN, C/o. JAWAHAR TALKIES, DR. RAJENDRA PRASAD, ROAD, MULUND, BOMBAY-400 080, MAHARASHTRA, INDIA AND BASTIMAL JAIN, P. O. BALI, VIA-FALNA, DIST. PALI, RAJASTHAN, INDIA.

Application No. 118/Bom/1986 filed on 7th April, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay-400 013.

#### 3 Claims

A Baby Chair Cum Cradle comprising of two similar side frames and a foldable seat frame removably attached thereto, each side frame having six arms all in a vertical plane, the two end arms of each of the said side frames being spaced apart the two middle arms of each of the said side frames being provided with two holes, one end arm of each of the said side frames provided with a hole, the said foldable seat frame comprising of two separate seat frames hinged together by inserting pins through the holes provided in the brackets fixed on the said seat frames and adopted to lie one above the other, a cushioned, knitted flexible plastic or nylon seat fitted on each of the said seat frames, a flexible plastic, cotton, or nylon flap, one end attached to a member of the said foldable seat frame and the other end being free, the free end being provided with a belt and a buckle a ring provided on one of the end arms of each of the said side frames, ropes or chains attached to the said rings for hanging the said device, rubber or plastic bushes being provided on end arms of the said side frames.

Compl. Specn. 7 pages.

Drgs. 4 sheets.

CLASS : 20A + B.

163062

Int. Cl. : G09B-19/00.

#### AN IMPROVED DEVICE FOR TEACHING MULTIPLICATION TABLES.

Applicant & Inventor : JAIKRISHIN GANGARAM GVALANI, OF E-2/6 SUNDAR NAGAR, SWAMI VIVEKANAND ROAD, MALAD (WEST), BOMBAY-400 064, MAHARASHTRA, INDIA.

Application No. 56/Bom/1987 filed on 12th March, 1987.

[Patent of addition to Patent No. 156575 dated 30th June, 1982.]

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay-400 013.

#### 2 Claims.

An improved Device For Teaching Multiplication Tables as claimed in my main Patent No. 156575 wherein instead of the said fastener-cum-pivot the said set of sheets is bound together with a spiral made of any material such as plastic, metal or the like material, on which spiral the sheets of the set can be moved by rotation.

Compl. Specn. 3 pages.

Drg. 1 sheet.

CLASS : 107 C [XLVI (2)].

163063

Int. Cl. : FO 2 B-19/16.

#### AN IMPROVED COMBUSTION CHAMBER FOR 2-STROKE SPARK IGNITION ENGINE.

Applicants : THE AUTOMOTIVE RESEARCH ASSOCIATION OF INDIA, SURVEY NO. 102, VETAL HILL, OFF PAUD ROAD, POONA-411 004, MAHARASHTRA, INDIA.

Inventors : BHUTNATH GHOSH.

Application No. 175/Bom/1987 filed on 3rd June 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay-400 013.

## 2 Claims

1. An improved combustion chamber for 2-stroke spark ignition engine comprising a cast metal cylinder head adapted to get fitted to engine block/body by means of fixing bolts in known manner, said cylinder head having a plurality of spaced fins on its outer periphery and a substantially bell shaped cavity forming combustion chamber on its inner wall surface, said combustion chamber/cavity being eccentric with respect to vertical center line of said cylinder head; said combustion chamber/cavity being provided with a threaded hole at its top narrow end for fixing thereto a spark plug in known manner, the center line of said threaded hole being eccentric to vertical center line of said cylinder head; said combustion chamber/cavity being divided into two unequal portions by the plane passing through said vertical center line of the cylinder head, the larger portion thereof having a smaller tapered surface at its bottom rim and the smaller portion thereof having a larger tapered surface at its bottom rim, and wherein when said cylinder head is fitted to the engine block/body the larger portion having smaller tapered surface at its bottom rim is aligned to the suction port/s and the smaller portion having a larger tapered surface at its bottom rim is aligned to the exhaust port in said engine block/body.

Compl. Specn. 5 pages.

Drg. 1 sheet.

CLASS : 69-P.

163064

Int. Cl. : H 01 r 43/00.

# INSTALLATION FOR THE MANUAL ASSEMBLY OF COMPONENTS ON A PRINTED CIRCUIT BOARD.

Applicant : SIEMENS AKTIENGESellschaft, OF BERLIN AND MUNICH, WEST GERMANY.

Inventors : 1. GERHARD KLINK, 2. DIETMAR KRASKE, 3. EGON EDINGER, 4. JOACHIM KOTTER, 5. KLAUS KRUMREY 6. JORG MAYSER, 7. ULRICH MICHAEL.

Application No. 32/Cal/85 filed January 17, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 20 Claims

In an installation for the manual assembly of components on a printed circuit board comprising a table with holding means for non-mistakable positioning of the printed circuit board on which the components are to be assembled, a display means for optically identifying respective assembly positions of each component on the printed circuit board held by the holding means, at least one magazine for the purpose of making available components required for each assembly operation and arithmetic means for controlling the display means and a removable position for components in each of the magazines corresponding to the specific assembly program, the improvements comprising each magazine being designed for making available all components which required for a spectrum of PC modules to be produced, the arithmetic means having access to all assembly programs for all of the PC modules of the spectrum of PC modules to be produced and identification means connected to the arithmetic means for identifying a printed circuit board being presented and for activating the association assembly program for the particular identified printed circuit board.

Compl. specn. 21 pages,

Drgs. 3 sheets

CLASS : 15-C.

163065

Int. Cl. : F 16 c 17/00.

## SHAFT BEARING ARRANGEMENT.

Applicant : SOCIETE D'APPLICATIONS GENERALES D'ELECTRICITE ET DE MECANIQUE (SAGEM), SOCIETE ANONYME, FRENCH, 6, AVENUE D' IENA, 75783, PARIS CEDEX 16, FRANCE.

Inventors : 1. JACQUES PATOU, 2. GUY LEROY.

Application No. 479/Cal/85 filed June 26, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 10 Claims

Shaft bearing arrangement for rapid and simplified positioning, comprising, on the one hand, a one-piece shaft bearing having a bearing body in the general shape of a cylindrical sleeve whose outer surface has at least one annular groove portion and, on the other hand, a notch formed in an edge of a support plate and dimensioned to receive said bearing, the bottom of said groove constituting a support surface of the bearing body on the side of the notch and its lateral surfaces constituting axial stops for the axial locking of the bearing body on the support plate, the bearing comprising in addition, two locking arms adapted to co-operate with corresponding complementary zones of the support plate situated on each side of the notch, one of these zones—first zone—having the shape of a nose beneath which the corresponding arm—first arm—of the bearing is engaged in elastic support, wherein the two arms of the bearing extend on each side of the bearing body (considered with respect to a diametric plane of the bearing body), the second arm is terminated by a beak having a support surface turned towards the edge of the support plate, in which the aforesaid channel is cut out, and the second zone of the plate comprises a shoulder turned opposite said edge of the plate and against which rests said support surface of the beak of the second arm, whereby the positioning of the bearing on the support plate is effected automatically by simple engagement, without a tool and rapidly and, in mounting position, the bearing is locked against the bottom of the notch under the action of the elastic return forces of the ends of the arms co-operating with corresponding zones of the support plate.

Compl. specn. 17 pages.

Drgs. 2 sheets

CLASS :

163066

Int. Cl. : H 04 r 23/00.

# SELF ZEROING PRESSURE TRANSMITTER WITH AUTOMATIC PRESSURE MANIFOLD.

Applicant : THE BARCOCK & WILCOX COMPANY, AT 1010 COMMON STREET, P. O. BOX 60035, NEW ORLEANS, LOUISIANA 70160, UNITED STATES OF AMERICA.

Inventors : 1. EDWARD BASTJANIC, 2. EDWARD LEF STERLING JR., 3. JOHN WALTER ROBERTSON JR.

Application No. 332/Cal/86 filed April 28, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 3 Claims

A self-zeroing pressure transducer assembly comprising :

- a pressure transducer having two inputs;
- a first pressure line connected to one of said two inputs;
- a second pressure line connected to the other of said two inputs;
- a first valve in said first pressure line;
- a second valve in said second pressure line;

a pressure equalizing connecting line between said first and second pressure lines at a point on said first valves and said transducer;

a pressure equalizing valve in said connecting line;

switching means connected to said first valve and said pressure equalizing valve and functioning upon receiving one control signal to open said first valve while maintaining said pressure equalizing valve closed and,

upon receiving another control signal, to close said first valves while opening said pressure equalizing valve for equalizing upon receiving another control signal, to close said pressure equalizing valve for equalizing the pressure between said first and second pressure lines and thus equalizing the pressure at said two inputs of said transducers; and

control means connected to said pressure transducer for receiving its signal and connected to said switch means for generating said one and other control signals to alternately expose said two inputs of said pressure transducer to separate pressures on said first and second pressure lines.

Compl. specn. 8 pages.

Drg. 1 sheet

CLASS : 185-B & C.

163067

Int. Cl. : A 23 f 3/00, 3/22.

A DEVICE FOR WITHERING TEA LEAVES IN A CONTINUOUS AND CONTROLLED MANNER.

Applicant : TEA RESEARCH ASSOCIATION, 113 PARK STREET, 9TH FLOOR, CALCUTTA-700016, WEST BENGAL, INDIA.

Inventor : 1. TORUN CHANDRA BORUAH.

Application No. 69/Cal/84 filed January 31, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 11 Claims

A device for withering tea leaves in a continuous and controlled manner comprising a chamber having an inlet end and an opposite end, said chamber being provided with guide rails for accommodating a plurality of trays in at least one pair of runs, each pair comprising an outward run and a return run immediately below it, said trays being inclined with respect to their direction of advance as they move along the outward and return runs a duct for forcing hot air into said chamber; means for moving said trays through said chamber; means for carrying said trays at the end of an outward run to the next adjacent return run there-below or from the end of a return run to any adjacent outward run therebelow; means for returning trays to said inlet end along the or each return run; and means for lifting said trays towards the top outward run, after discharging the withered tea leaves, to receive green tea leaves.

Compl specn. 9 pages.

Drgs. 2 sheets

CLASS 194-C<sub>a</sub>.

163068

Int. Cl. : H 01 1 5/00.

PHOTOVOLTAIC CELL AND PROCESS FOR MANUFACTURING THE SAME.

Applicant : NUKEM GMBH, RODENBACHER CHAUSSE 6, D-6450, HANAU (MAIN) 11, FEDERAL REPUBLIC OF GERMANY.

Inventors : 1. DR. GERT HEWIG, 2. DR. BERND SCHURICH, 3. DR. JORG WÖRNER, 4. HANS-WERNER SCHOCK.

2-187GI/88

Application No. 557/Cal/84 filed August 8, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 22 Claims

A photovoltaic cell comprising :

a substrate;

a first electrical contact deposited on the substrate;

a first semiconductor layer deposited on said first electrical contact and a second semiconductor layer, of opposite type of conductivity to that of said first semiconductor layer, deposited on said first layer;

a second electrical contact connected to the second semiconductor layer, said second electrical contact including three layers composed of different materials, said three layers including (a) a current collecting layer having a grid-like structure, having a specific resistivity equal to or less than  $10^{-2}$  for collecting charges from the second semiconductor layer, (b) a current bus layer having a grid-like structure in overlying contact with the current collecting layer and having a specific resistivity equal to or less than  $10^{-4}$  ohm cm., and (c) a contact connecting layer, having a specific resistivity equal to or less than 1 ohm cm., forming an ohmic contact to the second semiconductor layer and disposed between the second semiconductor layer and the current collecting layer, and

an optically transparent element covering the cell.

Compl. specn. 18 pages.

Drg. 1 sheet

CLASS 94-A.

163069

Int. Cl. : B 02 c 17/00.

BALL MILL.

Applicant : VOEST-ALPINE AKTIENGESELLSCHAFT OF A-4020 LINZ, MULDENSTRASSE 5, AUSTRIA.

Inventors : 1. ERICH PICHLMAIER, 2. MANFRED ZOLLNER.

Application No. 671/Cal/85 filed September 23, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 3 Claims

A rotatable cylindrical ball mill comprising a liner, which is formed with peripherally extending grooves (2), which have the shape of a segment of a circle in cross-section, and grinding balls (3) disposed within said liner, characterized in that the radius (5) of the cross-section of the grooves exceeds the radius (4) of the largest grinding ball (3).

Compl. Specn. 6 pages.

Drg. 1 sheet.

CLASS : 50-A, D; 190-B & C.

163070

Int. Cl. : F 01 p 1/00, 7/00, 11/00.

A COMBUSTION TURBINE.

Applicant : WESTINGHOUSE ELECTRIC CORPORATION, OF WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

Inventors : 1. THOMAS M. SZEWOZUK, 2. WILLIAM EDWARD NORTH.

Application No. 755/Cal/85 filed October 22, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 7 Claims

A combustion turbine comprising an airfoil-shaped, hollow, turbine vane having a leading edge wall, a trailing edge portion with an exit air slot therein, and pressure and suction sidewalls defining a single internal cavity in communication with said exit air slot, a single, unitary, air-cooling, hollow insert, of substantially complementary airfoil shape in cross section, located in said cavity and extending in a chordwise direction for substantially the entire extent of said cavity, a plurality of radially extending partition means in said insert dividing the interior thereof into a forward chamber in the leading edge portion of said vane, and at least two separate, successively rearward chambers in communication with each other, a plurality of impingement ports in the insert walls of all of said chambers being in communication with a source of cooling air means for throttling the flow into said rearward chambers in which said forward chamber is at a relatively higher pressure than said rearward chambers so that the impingement jets through said ports of said forward chamber against said interior vane walls of said leading edge portion are at the significantly higher velocity than the impingement jets exiting the ports of said rearward chambers.

Compl. specn. 8 pages.

Drg. 1 sheet

CLASS : 48-D.

163071

Int. Cl. : H 01 r 35/00.

A DEVICE HAVING U-SHAPED ISA-PLUS CONNECTION CONTACTS.

Applicant : KRONE AKTIENGESELLSCHAFT BFE-SKOWDAMM 3-11, 1000 BERLIN 37, WEST GERMANY.

Inventors : 1. DIETER GERKE, 2. MANFRED MULLER

Application No. 156/Cal/84 filed March 5, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 1 Claim

Electrical terminal device adapted to connect a plurality of insulated wires, said terminal apparatus comprising :

an elongated electrically insulative terminal strip;

a plurality of solderless, non-screwed and stripping free terminal elements, each having a politropic air gap;

a plurality of U-shaped terminal members, each said terminal member comprising two said terminal elements in spaced relationship;

said terminal strip being shaped and configured to receive and positively retain said terminal member in tandem in the longitudinal direction, each said terminal member being oriented at 180° relative to each adjacent similar member in said terminal strip so that each terminal member, as mounted in said terminal strip, is effectively a mirror image of each adjacent terminal member throughout the length of said terminal strip;

each said terminal element being formed of resilient,

leaf shaped contact material including a slot, the main portion of said slot defining an enlarged insertion opening and being defined by sharp edges, said slot being oriented at an angle of about 45° with respect to the longitudinal axis of said terminal strip and with respect to the axis of the wire being terminated and having a width that is smaller than the thickness of the

metallic core of the wire so that when the wire is urged into the slot, the wire insulation is severed and a torquing contact is made between the wire and said terminal element;

whereby each two longitudinal adjacent terminal elements, when connecting a respective wire, exert a torque on said terminal strip of substantially equal magnitude and opposite direction so that the net external torque on said terminal strip due to connections to the wires is maintained at substantially zero.

Compl. specn. 9 pages.

Drgs. 4 sheets

CLASS : 145 E<sub>1</sub>, 2.

163072

Int. Cl. : D 21 f 11/00.

REFINER FOR REFINING LOW CONSISTENCY PAPER MAKING STOCK.

Applicant : BELOIT CORPORATION, OF P. O. BOX 350 BELOIT, WISCONSIN 53511, UNITED STATES OF AMERICA.

Inventors : 1. JOHN BERARD MATHEW, 2. DAVID HARROLD ROBINSON.

Application No. 223/Cal/84 filed April 5, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 18 Claims

Refiner for refining low consistency paper making stock comprising :

a housing (10) defining a refining chamber (11),

a rotor (38) extending through said refining chamber (11),

a first set of radially outwardly extending refiner disks (22) mounted on said rotor (38),

a second set of radially inwardly extending refiner disks (21) carried on an interior wall (23) of said refining chamber (11) and intermeshing in alternate fashion with said first set of refiner disks (22), each disk (21, 22) of one set having a first side surface (54, 55) disposed in spaced relation to a first side surface (54, 55) of a contiguous disk (21, 22) of the other set of disks and the opposite second side surfaces (18, 19) on said sets of disks (21, 22) being refining surfaces in closely confronting relation, said closely confronting second side surfaces (18, 19) defining respective refining characterized in that

said refiner disks (21, 22) of each set are solid and said spaces between the first side surfaces (54, 55) provided flow directing passages (53) effecting communication between the opposite ends of said refining zones (20) so that each refining zone (20) is connected at one radial end with the opposite radial end of the next adjacent refining zone (20).

Compl. specn. 19 pages.

Drgs. 2 sheets

CLASS : 145-E<sub>1</sub>, 2.

163073

Int. Cl. : D 21 f 11/00.

FLEXIBLE DISK REFINER AND METHOD FOR REFINING PARTICULATE MATERIALS USING THE SAME.

Applicant : BELOIT CORPORATION, OF P. O. BOX 350 BELOIT, WISCONSIN 53511, UNITED STATES OF AMERICA.

Inventors : 1. JOHN BERARD MATHEW, 2. EDWARD CHARLES KIRCHNER.

Application No. 224/Cal/84 filed April 5, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 13 Claims

Apparatus for reducing particulate materials such as paper making pulp comprising :

a housing (11) defining a working chamber (17) having an inlet (18) and an outlet (21) for flow of particulate material through said working chamber (17);

a rotary shaft (12) supported by said housing (11) and having a rotor (15) mounted on the shaft (12) within said working chamber (17);

characterized in having

a radially extending annular axially resiliently flexible disk (D) mounted fixedly on said rotor (15) for rotation therewith in said chamber (17) and having on a perimeter of the disk spaced substantially from said rotor (15) at least one annular refining surface (25);

a complementary refining surface (27) mounted within said chamber (17) and co-operating in confronting relation with said refining surface (25) on said disk (D), the refining surfaces being adapted for relative rotation so that particulate material flowing through said working chamber (17) and between said refining surfaces is refined;

said disk (D) having resilient flexibility enabling self-adjustment of the confronting relationships between said refining surfaces responsive to dynamic fluid pressure of the flowing material.

Compl. specn. 14 pages.

Drgs. 2 sheets

CLASS :

163074

Int. Cl. H 02 k 57/00.

POWER STATION INCLUDING AN INTEGRATED COAL GASIFICATION PLANT.

Applicant : KRAFTWERK UNION AKTIENGESELLSCHAFT, OF 433 MULHEIM (RUHR), WIESENSTR. 35, FEDERAL REPUBLIC OF GERMANY.

Inventors : 1. KONRAD GOEBEL, 2. RAINER MULLES, 3. ULRICH SCHIFFERS.

Application No. 395/Cal/84 filed June 11, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 8 Claims

A power station including an integrated coal gasification plant, including a gas turbine power station section connected to the coal gasification plant, including a steam power station section connected to a crude gas heat exchange plant of the coal gasification plant, and including methanol synthesis plant (for example a methanol synthesis plant in accordance with Indian Patent Application 322/Cal/84) characterized in that there is associated with the methanol synthesis plant, a so-called "cooler-saturator-circulation system" connected to the crude gas heat exchange plant and comprising a saturator, a converting plant, at least one cooler, and a downstream gas purification plant, for hydrogen enrichment.

Compl. Specn. 16 pages.

Drg. 1 sheet.

CLASS : 195-B, D & G.

163075

Int. Cl. : F 16 k 31/00.

CONTROL VALVE WITH ANTICAVITATION TRIM.

Applicant : MCGAW-EDISON COMPANY, 1701 GOLF ROAD, ROLLING MEADOWS, IL 60008, U. S. A.

Inventor : 1. JAMES A. STARES.

Application No. 427/Cal/84 filed June 19, 1984.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 17 Claims

A control valve comprising :

(a) a valve body with a fluid inlet and a fluid outlet,

(b) a valve seat ring positioned in said valve body between said fluid inlet and said fluid outlet,

(c) a valve plug reciprocally mounted in said valve body and engaging said valve seat ring in a valve closed mode,

(d) a first cage member positioned in said valve body having two ends, a plurality of apertures, and a plurality of radially extending fins disposed over only one end of said first cage,

(e) a second cage member positioned in said valve body adjacent said first cage member and having two ends a plurality of apertures adjacent only each end of said second cage member, and a plurality of radially extending fins over only one portion of the length of said second cage member,

(f) a third cage member positioned in said valve body adjacent said second cage member and having two ends, and a plurality of apertures adjacent only one end of said third cage member, and

(g) said cage members being positioned in said valve body to define substantially continuous axial, circumferential and radial flow passages between adjacent cage members which flow passages vary with the position of said plug from its closed mode.

Compl. specn. 23 pages.

Drgs. 2 sheets

CLASS : 80-1,

163076

Int. Cl. : B 01 d 33/06.

ROTARY SCREEN.

Applicant : CONTRA-SHEAR HOLDINGS LIMITED, OF 31 RUSKIN STREET, PARNELL, AUCKLAND, NEW ZEALAND.

Inventor : 1. GEORGE BURGESS.

Application No. 622/Cal/84 filed September 10, 1984.

Convention dated 8th September, 1983 (205530) New Zealand.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 10 Claims

A rotary screen of the kind comprising a drum which is mounted for rotation about a substantially horizontal axis and is at least partially formed by a plurality of spaced-apart wires of wedge-shaped cross-section and a plurality of supporting members traversing and interlinking the wires; characterised in that :

(a) the wires extend circumferentially around the drum,

(b) the base of the wedge-shaped cross-section of each wire faces inwardly of the drum, and

(c) the supporting members are spaced apart around the circumference of the drum by a distance of not less than 75 mm between each pair of adjacent supporting members.

Compl. specn. 12 pages.

Drgs. 4 sheets

CLASS : 70-B.

163077

Int. Cl. : G 01 k 3/06.

**ELECTRODE FOR ELECTROLYSIS OF ELECTROLYTE SOLUTIONS.**

Applicants & Inventors : (1) VLADIMIR BORISOVICH BUSSE-MACHUKAS, OF MOSCOW, IZMAILOV, SKY BULVAR, 37, KV. 27, USSR; (2) FLORENTY ISEROVICH LVOVICH, OF MOSCOW, 1 NIZHNE-MIKHAJLOVSKY PROEZO, 16, KV. 55, USSR; (3) EVDOKIA KUZMINCHINA SPASSKAYA, OF MOSCOW, VISHNYAKOVSKAYA ULITSA, 6, KORPUS 3, KV. 97, USSR; (4) VLADIMIR LEONIDOVICH KUBASOV, OF MOSCOW, KIROVOGRADSKAYA ULITSA, 4, KORPUS 2, KV. 135, USSR; (5) ANATOLY FEDOROVICH MAZANKO, OF MOSCOW, STAVROPOLSKAYA ULITSA, 56, KORPUS I, KV. 73, USSR; (6) ERNEST AVGUSTINOVICH DRUZHININ, OF MOSCOW, GVARDEISKAYA ULITSA, 4, KV. 32, USSR; (7) ALEXANDR NIKOLAEVICH MARTYNOV, OF MOSCOW, YAKORNAYA ULITSA, 10, KORPUS I, KV. 60 USSR; (8) LJUDMILA NIKOLAEVNA NELIPA, OF MOSCOW, BULVAR MATROSA ZHELEZNYAKA, 10, KV. 2, USSR.

Application No. 722/Cal/84 filed October 15, 1984.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

**3 Claims**

An electrode for electrolysis of solution of electrolytes comprising a support of a passivated metal, a coating applied onto said support consisting of a mixture comprising  $TiO_2$ ,  $IrO_2$  and  $RuO_2$  wherein the molar ratio of titanium oxide to the total of oxides of iridium and ruthenium is equal to 1-3:1 at a molar ratio of iridium oxide to ruthenium oxide equal to 0.75-3:1.

Compl. specn. 26 pages.

Drg. Nil

CLASS 55-E<sub>4</sub>; 60-X<sub>2</sub>.

163078

Int. Cl. : C 07 d 501/00.

**A PROCESS FOR PREPARING CRYSTALLINE CEPHALEXIN HYDROCHLORIDE MONOHYDRATE.**

Applicant : ELI LILLY AND COMPANY, AT 307 EAST MC CARTY STREET, CITY OF INDIANAPOLIS, STATE OF INDIANA, UNITED STATES OF AMERICA.

Inventors : 1. GARY LOWELL ENGEL, JOSEPH MICHAEL INDELICAI, 3. HARRY ALBERT ROSE, 4. LAWRENCE JOSEPH MCSHANE, 5. KUO SHANG YANG.

Application No. 810/Cal/84 filed November 26, 1984.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

**5 Claims**

A process for preparing crystalline cephalexin hydrochloride monohydrate, which process comprises hydrating a crystalline hydrochloride  $C_{1-4}$  alkanol solvate under humid conditions not exceeding 50% relative humidity preferably at temperature between 10 and 50° C.

Compl. specn. 27 pages.

Drg. Nil

CLASS : 36-A<sub>2</sub>.

163079

Int. Cl. : F 04 c 29/00.

**APPARATUS FOR PREVENTING A MOTOR DRIVEN COMPRESSOR USED IN A REFRIGERATION SYSTEM FROM SURGING.**

Applicant : CARRIER CORPORATION, AT 6304, CARRIER PARKWAY, P. O. BOX 4800, SYRACUSE NEW YORK 13221, UNITED STATES OF AMERICA.

Inventors : 1. GORDEN LEE MOUNT, 2. PHIROZE BANDUKWALLA, 3. JARSO MULUGETA.

Application No. 841/Cal/84 filed December 5, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

**5 Claims**

Apparatus for preventing a motor driven compressor used in a refrigeration system from surging that includes :

a diffuser section in the compressor having a movable wall arranged to move toward and away from an opposed fixed wall to vary the width of the diffuser passage whereby the surge point of the compressor can be changed within a predetermined operating range.

control means for positioning said movable wall in response to an input control signal,

measuring means for monitoring system parameters indicative of both compressor lift and flow and providing data output signals relating thereof, and

programmable means for receiving said data signals and providing a control signal for moving said wall to an optimum position for the measured lift and flow to provide for maximum operating efficiency without the compressor surging.

Compl. specn. 14 pages.

Drg. 3 sheets

CLASS : 145-D.

163080

Int. Cl. : D 21 f 1/00.

**AN APPARATUS FOR HEADBOX JET VELOCITY MEASUREMENT.**

Applicant : BELOIT CORPORATION OF P. O. BOX 350, BELOIT, WISCONSIN 53511, UNITED STATES OF AMERICA.

Inventor : 1. DANIEL PARKER.

Application No. 9/Cal/85 filed January 3, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

**12 Claims**

Apparatus for measuring the headbox liquid jet velocity, said apparatus comprising :

light generating means mounted adjacent a liquid jet, including light beam means operable to direct a pair of light beams onto the jet at predetermined positions spaced along the direction of the jet and to receive light of the beams reflected from the jet;

light sensing means disposed adjacent to said generating means for sensing light generated by said generating means and operable to produce respective electrical signals representing the reflected light from the two light beams;

high pass filter means connected to said light sensing means for filtering out electrical signal components below a predetermined frequency;

amplifier means connected to said high pass filter means for amplifying the filtered signals; and

analysing means connected to said amplifier means and operable to criss-correlate a. c. components of the amplified signals and obtain an output representing the velocity of the jet.

Compl. specn. 21 pages.

Drgs. 7 sheets

CLASS : 206-E.

163081

Int. Cl. : H 03 f 3/00.

## POWER AMPLIFIER.

Applicants & Inventors : (1) VALERY MIKHAILOVICH NAZAROV, OF ULITSA FLOTSKAYA, 7, KORPUS, 3, KV. 413, MOSCOW, USSR; (2) OLEG VIANOROVICH DOGADIN, OF ULITSA NARODNOGO OPOLCHENIA, 25, MOSCOW, KV. 21, USSR.

Application No. 102/Cal/85 filed February 12, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 1 Claim

A power amplifier comprising a input stage and a main switching stage 2, the outputs of said stages being combined and serving as the output of the amplifier, the input of the input stage being the input of the amplifier, characterised in that, in order to improve the accuracy and efficiency of the amplifier, it incorporates in intermediate switching stage 3 which has its input connected to a control output of the input stage, its output connected to the output of the amplifier and its control output connected to the input of the main switching stage, and a synchronizing element whose input connected to a synchronizing output of the main switching stage and the output to the synchronizing input of the intermediate switching stage, the switching frequency of the main switching stage being lower than that of the intermediate switching stage.

Compl. Specn. 9 pages.

Drgs. 2 sheets.

CLASS : 11-A+C.

163082

Int. Cl. : A 22 b 3/00.

## APPARATUS FOR STUNNING OF ANIMALS BY ELECTRIC CURRENT.

Applicants : (1) VSESOJUZYNY NAUCHNO-ISSLEDOVATELSKY I PROEKTNO-KONSTRUKTORSKY INSTITUT D'O AVTOMATIZIROVANNOMU ELEKTROPRIVODU V PROMYSHLENNOSTI, SEISKOM KHOZYAISTVE I NA TRANSPORTE (VNIELEKTROPRIVOD), OF ULITSA SADOVOSPASSKAYA, 1/2, KORPUS 2, MOSCOW, USSR; (2) VSESOJUZYNY NAUCHNO-ISSLEDOVATELSKY INSTITUT MYASNOI PROMYSHLENNOSTI, OF ULITSA TALALIKHINA, 26, MOSCOW, USSR.

Inventors : 1. NIKOLAI NIKOLAEVICH ALEXANDROV, 2. MIKHAIL NIKOLAEVICH ANISIMOV, 3. PELAGEYA PAVLOVNA VESELOVA.

Application No. 563/Cal/85 filed August 1, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 3 Claims

An apparatus for stunning of animals by electric current, comprising a starting unit, a power source, and two electrodes, one of which is connected to one of output terminals of the power source, and the other electrode is connected to the other output terminal of the power source through series-connected key and current-measuring element with an output of the latter connected to an input of a threshold element, characterised in that it is provided with a unit (10) for measuring the quantity of electricity and a relay element (15) with an output of the latter connected to a control input of the key (6) and to one of inputs of the unit (10) for measuring the quantity of electricity with the other input thereof connected current-measuring element (7), inputs of the relay element (15) being respectively associated with outputs of the threshold element (8) of the unit (10) for measuring the quantity of electricity and of the starting unit (23).

Compl. specn. 11 pages.

Drgs. 2 sheets

CLASS : 40-E.

163080

Int. Cl. : B 01 d 50/00.

## SPACER FOR MIST ELIMINATOR.

Applicant : MUNTERS EUROFORM GMBH, OF SUS-TERFELDSTRASSE 65, D-5100 AACHEN, WEST GERMANY.

Inventor : 1. MARTIN SCHULTZ.

Application No. 727/Cal/85 filed October 14, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 2 Claims

Spacer for mist eliminators plates to be spaced, with a head part, a foot part and a web which corresponds to the shape of the space between two neighbouring eliminator plates and with means for connecting two or more spacers, wherein said connection means are of the snap-lock or plug type and being formed at the head part and at the foot parts of the spacer or comprising rods, in particular threaded rods, which are passed through bores in the head part and the foot part of said spacer.

Compl. Specn. 6 pages.

Drgs. 6 sheets.

CLASS : 63-L.

163084

Int. Cl. : H 02 n 3/00.

## COMBINED CYCLE ELECTRICAL POWER PLANTS.

Applicant : WESTINGHOUSE ELECTRIC CORPORATION, OF WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

Inventors : 1. ALAN MARTENS, 2. BENNIE EUGENE SNOW.

Application No. 850/Cal/85 filed December 2, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 5 Claims

A combined cycle electrical power plant including a steam turbine, a heat recovery steam generator for supplying steam to the steam turbine, a gas turbine for supplying heat to the heat recovery steam generator, said steam generator and gas turbine each producing electrical power under load, the gas turbine having a control circuit determining the operation thereof, including first means for detecting one of a steaming condition and non-steaming condition in said heat recovery steam generator, second means responsive to said steaming condition and to a gas turbine STOP signal for reducing the load of said gas turbine toward a minimum load level, third means responsive to said non-steaming condition and to said minimum load level being reached for generating a STOP command and applying said STOP command to the control circuit of said gas turbine, so as to indicate a sequence of steps to stop the gas turbine.

Compl. Specn. 16 pages.

Drgs. 4 sheets.

CLASS : 190-B.

163085

Int. Cl. : F 01 d 25/00.

A FLUID CARRYING MEANS, FOR AN EXHAUST SYSTEM OF A STEAM TURBINE.

Applicant : WESTINGHOUSE ELECTRIC CORPORATION, OF WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

Inventors : 1. ROBERT DRAPER, 2. GEORGE JOSEPH SILVESTRI, JR., 3. HOMER GAY HARGROVE.

Application No. 4/Cal/86 filed January 1, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 11 Claims

A fluid-carrying means, for an exhaust system of a steam turbine coupled a fluid-carrying pipe means including an erosion prevention device comprising a liner means disposed concentrically within said pipe means with a predetermined clearance between said liner means and said pipe means, said clearance between said liner means and said pipe means defining an annular space, said liner means having a predetermined length, said liner means having third opening means there-through for diverting a water layer which is formed by centrifuging a substantial portion of said water droplets as the flow turns to said annular space, said liner means affixed at the ends thereof to said pipe means, linear wick means positioned within and substantially filling said annular space, collection means disposed within said annular space positioned substantially parallel with the axis of said pipe means, said collection means for collecting a substantial portion of said diverted water layer, linear drain means for draining said collected diverted water layer comprising liner drain pipe means in fluid communication with said collection means, whereby water layer which is formed by erosion causing water droplets is diverted from said pipe means thereby diminishing the erosion of said pipe means.

Compl. specn. 21 pages.

Drgs. 5 sheets.

CLASS : 69-A.

163086

Int. Cl. : H 01 h 83/00.

LOW VOLTAGE CIRCUIT BREAKER WITH A CURRENT TRANSFORMER.

Applicant : SIEMENS AKTIENGESSELLSCHAFT, OF MUNICH, WEST GERMANY.

Inventors : 1. PETER BOHNEN, 2. REINHARD KUGLER, 3. GUNTER PRIETZEL.

Application No. 40/Cal/86 filed January 21, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 8 Claims

A low voltage circuit breaker comprising a carrier, a contact arrangement mounted on the carrier, terminal strips and a current transformer surrounding one of the terminal strips and mounted in a recess provided in the carrier, in which :

the current transformer is supported on a fixed part of the circuit breaker, independently of said one terminal strip associated with the current transformer; and

an insulator body is releasably inserted between the terminal strips in order also to support the current transformer, said insulator body having openings to receive fasteners which secure the terminal strips to the insulator body.

Compl. Specn. 12 pages.

Drgs. 2 sheets.

CLASS : 116-G.

163087

Int. Cl. : B 65 g 47/00.

SELF-DRIVEN CARRIAGE, FOR SORTING PLANTS.

Applicant & Inventor : CANZIANI FRANCESCO, OF VIA CONTARDO FERRINI 21 SAN MACARIO (VARESE), ITALY.

Application No. 96/Cal/86 filed February 10, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 5 Claims

A self-driven carriage for sorting plants, comprising :

- a frame provided with idle wheels, capable of running along a path consisting of a mono-rail;
- a unit comprising an electric motor and transmission gears, hinged at said frame and capable of actuating a pair of driving wheels that act on said mono-rail from opposite sides;
- elastic means suitable for rotating said motor/transmission unit, in order to keep the driving wheels always pressed against the rail;
- means suitable to discharge the carried items at either side of the path.

Compl. Specn. 9 pages.

Drgs. 4 sheets.

CLASS 15-D &amp; 156-E.

163088

Int. Cl. : F 04 b 39/02; F 01 m 11/00.

A DEVICE FOR LUBRICATING SHAFT BEARINGS.

Applicant : KLEIN, SCHANZLIN & BECKER AKTIENGESSELLSCHAFT, OF POSTFACH 225, JOHANN-KLEIN-STRASSE 9, D-6710, FRANKENTHAL (PFAIZ), FEDERAL REPUBLIC OF GERMANY.

Inventors : 1. KARL GAFFAL, 2. FRANK ETZOLD.

Application No. 203/Cal/86 filed March 14, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 9 Claims

A device for lubricating a horizontal shaft bearing in machinery, more especially for the thrust bearing of centrifugal pumps, having a track disk of a thrust bearing within a bearing housing which is connected with an oil container, which is connected with an oil cooler and a ring placed within the bearing housing surrounds the track disk and the latter conveys oil from the oil container into the bearing housing by drag, characterised in that the bearing housing (2) is placed within the oil container (1), the track disk (5) has a peripheral groove (6) at its outer edge, a single or multi-part ring (7) is attached in the bearing housing (2) so as to extend with clearance into the groove (6) of the track disk (5) and the lower part of the bearing housing (2) and of the ring (7) extend into the oil sump (3) and in parts of the bearing housing (2) located under the oil level (10) and or parts of the ring (7) there is a supply orifice (12) and in the upper part of the bearing housing (2) there is a drain orifice (13).

Compl. Specn. 12 pages.

Drgs. 3 sheets.

CLASS : 25-A.

163089

Int. Cl. : E 04 c 1/00.

## A TUNNEL OR PIPE SECTION.

Applicant : ALLAN INTERNATIONAL MANUFACTURING PTY., LTD., OF FRANCIS & MCGREGOR, S. G. I. O. BUILDING, CNR ALBERT & TURBOT STREETS, BRISBANE, QUEENSLAND, AUSTRALIA.

Inventors : 1. ROBERT DOUGLAS PORTEOUS, 2. RONALD PURSSEY.

Application No. 218/Cal/86 filed March 18, 1986.

Convention dated 19th March, 1985 (PG 9809) Australia.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 6 Claims

A tunnel or pipe section comprising a plurality of panels connected to form a closed figure, wherein each panel comprises a plurality of tubular connectors anchored within the panel and secured to aligned connectors of the or each adjacent panel by securing means extending through apertured walls of the aligned connectors.

Compl. Specn. 12 pages.

Drgs. 3 sheets.

CLASS : 107-F.

163090

Int. Cl. : F 01 n 1/00.

## A METHOD OF MAKING A COMPRESSOR.

Applicant : CARRIER CORPORATION, AT SYRACUSE, NEW YORK, UNITED STATES OF AMERICA.

Inventors : 1. TADEK M. KROPIWNICKI, 2. LINDA FLIZABETH CROSS.

Application No. 640/Cal/86 filed August 22, 1986.

Division of Application No. 1000/Cal/83 dated 12th August, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 3 Claims

A method of making a compressor having a central section (20), a cylinder head (22) and a suction muffler (24), the method comprising the steps of :

positioning a portion of the suction muffler (24) within a muffler recess (52) defined by the cylinder head (22);

squeezing the suction muffler (24) between surfaces of the central section (20) of the compressor recess (52) to secure the suction muffler within the muffler recess; and

securing the cylinder head (22) to the central section (20) of the compressor.

Compl. Specn. 15 pages.

Drgs. 3 sheets.

CLASS : 84-B.

163091

Int. Cl. : C 10 I 1/14.

\* EMULSIONS OF LIQUID HYDRO-CARBONS WITH WATER AND/OR ALCOHOLS AND METHOD OF PRODUCING THE SAME.

Applicant : APACE RESEARCH LIMITED, OF 130 DOWLING STREET, DUNGOO, NEW SOUTH WALES, AUSTRALIA.

Inventor : 1. RUSSELL ROBERT REEVES.

Application No. 290/Cal/83 filed March 9, 1983.

Convention dated 12th March, 1982 (PF3086) Australia & 30th November, 1982 (PF7052) Australia.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 19 Claims

An emulsion consisting of a phase comprising liquid hydrocarbon, a phase comprising an alcohol or an alcohol and water, and an emulsifier, characterised in that the emulsifier is a block copolymer comprising at least one block (A) comprising a polymer of

(i) an optionally ring-substituted styrene, or

(ii) a conjugated diene,

and at least one block (B) comprising :

(i) a polymer of the formula  $H-(OR)_n-OH$ , where R is a bivalent aliphatic hydrocarbon moiety having from 1 to 4 carbon atoms and n is an integer of from 4 to 4000, or an ester thereof or

(ii) a polymer of a polar olefin, the polarity of the olefin being such that the polymer thereof is solvated by water and/or alcohol.

Compl Specn. 18 pages.

Drg. Nil

CLASS : 132-A

163092

Int. Cl. : B 01 f 9/00.

APPARATUS FOR TREATING MATERIALS WHICH ARE CAPABLE OF FLOW.

Applicant : 1. HUBERT EIRICH, SANDWEG 16 HARDHEIM, FEDERAL REPUBLIC OF GERMANY (2) PAUL EIRICH, BAHNHOFSTR. 11, HARDHEIM, FEDERAL REPUBLIC OF GERMANY AND (3) WALTER EIRICH, SPESSARTWEG 16, HARDHEIM, FEDERAL REPUBLIC OF GERMANY.

Inventor : 1. WILLI EIRICH.

Application No. 72/Cal/84 filed February 1, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 4 Claims

Apparatus for treating materials which are capable of flow, comprising a container (1) which rotates about its central axis (5) which is inclined with respect to the vertical, with a wall, and/or bottom scraper plate (2) which is arranged substantially stationarily with respect to the cylindrical inside wall of the container (1), a discharge opening (3) disposed in the bottom (3') of the container (1) and a rotating tool (6, 14, 15 or A, B) which engages into the material, characterised in that the container (1) is driven at a sub-critical speed of rotation, the rotating tool (6, 14, 15) is arranged exclusively at the downstream side (ie. quadrant I and/or II) of the container (1), that the space on the upstream side (quadrants III and IV) is free of fittings therein and that the scraper plate (2) is disposed in the vicinity of the apex (24) of the container (1).

Compl. Specn. 18 pages.

Drgs. 5 sheets.

CLASS : 148-M.

163093

18 Claims

Int. Cl. : B 41 c 3/00.

METHOD OF MANUFACTURING A PRINTING SYSTEM, SUITABLE FOR USE IN PRINTING ON A SHEET MEMBER A REALISTIC IMAGE OF AN ORIGINAL.

Applicant & Inventor : WALLACE EDWARDS, OF P.O. BOX 1265, STATION B, WESTON, ONTARIO, M9G 2R9, CANADA.

Application No. 299/Cal/84 filed May 3, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 11 Claims

A method of manufacturing a printing system, suitable for use in printing on a sheet member a realistic image of an original, characterised in that

a first printing plate is created by the interposition of at least two filters between the original and means for recording a first optical image; and

a second printing plate is created by the interposition of at least one filter between the original and means for recording a second optical image, the arrangement being such that

said first and second plates are capable of being used to print the said different impressions with two different colouring media, to obtain the said realistic image on the sheet member.

Compl. Specn. 18 pages.

Drg. Nil

CLASS : 172.

163094

Int. Cl. : D 01 g 21/00, 23/00.

METHOD OF PREPARING A FIBRE SLIVER FROM A FIBRE WEB AND DEVICE FOR CARRYING OUT THE METHOD.

Applicant : TRUTZSCHLER GMBH & CO. KG., OF DUVENSTRASSE 82-92 D-4050 MONCHENGLADBACH 3, FEDERAL REPUBLIC OF GERMANY.

Inventors : 1. THEO SCHOPWINKEL, 2. WILFRIED WEBER.

Application No. 490/Cal/84 filed July 9, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

A method of preparing a fibre sliver from a fibre web which comprises guiding a fibre web emerging from the delivery mechanism of a carding machine through an opening in a fibre web guide into a web funnel, conveying the air flowing back during condensing of the fibre sliver away between the opening in the fibre web guide and the outlet of the web funnel and thereafter drawing off the fibre sliver from between the delivery rollers positioned ahead of said funnel.

Compl. Specn. 14 pages.

Drg. 3 sheets.

CLASS : 119.

163095

Int. Cl. : D 03 d 37/00.

## CIRCULAR LOOM.

Applicant & Inventor : FRANZ XAVER HUEMER, OF SONNENUHRGASSE 4, 1060 VIENNA, AUSTRIA.

Application No. 514/Cal/84 filed July 17, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 7 Claims

A circular loom consisting of a plurality of partial healds arranged circularly around a main shaft of the loom, and each comprising a plurality of inner and outer yarn guiding eyes for the guidance of a part of the two systems of warp yarn distributed all around, and which are given a countercurrent up-and-down motion for the formation of the weaving shed resp. travelling shed by sequential means, which engage a plate cam on and revolving with said main shaft of the loom, said inner resp. outer yarn guiding eyes being connected together by band means, each of which is guided over upper resp. lower guide rollers; characterised in that said sequential means comprise at least one two-armed control lever for the activation of the countercurrent up-and-down alternating motion on the yarn guiding eyes of each said partial heald said control lever being supported and turning on a fixed fulcrum and being, with the end of one of its arms in operative connection with a cam on the plate cam and which is fastened with the end of its other arm to the inner strand of the band means of the respective partial heald.

Compl. Specn. 19 pages.

Drgs. 3 sheets.

CLASS : 6-B<sub>2</sub>.

163096

Int. Cl. : B 01 d 45/12.

A REDUCING VALVE WITH SEPARATOR FOR REMOVING CONDENSED WATER AND SOLID MATTER FROM STEAM, COMPRESSED AIR OR GASES.

Applicant : TLV CO., LTD. OF BIHIYA KOKUSAI BLDG., 8F, 2-3, UCHISAIWAI-CHO 2-CHOME, CHIYODA-KU, TOKYO, 100 JAPAN.

Inventors : 1. KATSUHI FUKIWARA, 2. HIDEAKI YUMOTO.

Application No. 611/Cal/84 filed September 3, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 6 Claims

A reducing valve with a vapor-liquid separator for removing condensed water and solid matter from steam, compressed air or gases comprising a sump chamber provided below a valve orifice by extending downward the portion of the reducing valve casing surrounding the said valve orifice, an annular partition formed of a conical wall member, a circular retaining plate and a cylindrical swisher member is provided on the upper part of the said sump chamber forming an annular space between the said partition wall and the reducing valve casing, the said annular space communicating with the inlet at the top and with the sump chamber at the bottom through a central passage in the annular partition connecting the said sump chamber with the space below the said valve orifice, a rotational deflector being a thin ring having a series of projections is arranged in the said annular space, and a drain valve to discharge the water accumulated in the said sump chamber.

Compl. Specn. 16 pages.

Drgs. 2 sheets.

CLASS : 116-B &amp; G.

163097

Int. Cl. : B 65 g 47/52.

APPARATUS FOR SUPPLYING BULK MATERIAL TO AT LEAST ONE CONSUMER AT A CONTROLLED RATE.

Applicant : METALLGESELLSCHAFT AKTIENGESELLSCHAFT, OF 16, FRANKFURT A.M., REUTERWEG, WEST GERMANY.

Inventor : 1. GERT SCHUSTER.

Application No. 7/Cal/85 filed January 2, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 4 Claims

Apparatus for supplying bulk material to at least one consumer at a controlled rate by means of a rotating cylinder disposed below a supply bin, characterized in that :

- (a) that lower edge (1) of the inclined rear wall (2) of the supply bin (3) is disposed on the rear side of the cylinder (4) at the line (5) at which a plane (6) extending at the angle of repose of the bulk material is tangent to the cylinder (4) or above said line (5), viewed in the direction of rotation of the cylinder,
- (b) an outlet opening (8) for discharging a stream (9) of bulk material onto the cylinder (4) is provided in the front wall (7) of the supply bin (3) and the width of the same is so selected that stream of bulk material discharge from the cylinder has the desired width.

3--187 GI/88

(c) a thickness control gate (10) is adjustably provided in the emerging stream (9) of bulk material and is disposed in front of and horizontally spaced from the lower edge (11) of the front wall (7) of the supply bin (3) and vertically spaced below said lower edge, the lower edge of the said central gate extending parallel to outlet opening in the front wall,

(d) the thickness control gate (10) is so adjusted that the line of intersection (13) of a plane extending at the angle of repose from the cylinder (4) to the lower edge (12) of said gate (10) and of a plane (15) extending at the angle of repose to the lower edge (1) of the rear wall (2) is so disposed that the layer formed by the bulk material on the cylinder (4) has the desired thickness  $h$  and

(e) a taking device (16) for taking bulk material for delivery to the consumer (17) is provided below the cylinder (4).

Compl. Specn. 12 pages.

Drgs. 2 sheets.

CLASS : 24-E.

3098

Int. Cl. : B 60 t 8/00.

AUTOMATIC BRAKE ADJUSTING MECHANISM.

Applicant : KELSEY-HAYES COMPANY, OF 38-481 HURON RIVER DRIVE, ROMULUS, MICHIGAN 48174, U. S. A.

Inventor : 1. ANTHONY C. EVANS.

Application No. 434/Cal/85 filed June 7, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 8 Claims

In a drum brake having a pair of brake shoes, an automatic brake adjusting mechanism comprising :

- a variable length strut disposed between and engaging the brake shoes,
- a first lever pivotally connected to one of the brake shoes and engaged by said strut,
- a second lever pivotally connected to the one brake shoe and engaging said strut,
- said levers being engageable with each other, and means connected to one of said levers for biasing said second lever into engagement with said strut.

Compl. Specn. 11 pages.

Drg. 1 sheet.

CLASS : 156-D.

163099

Int. Cl. : F 04 b 27/00.

## A PUMP.

Applicant : WILLIAM JOHN DARTNALL, OF 15 ALNESS STREET, APPECROSS, IN THE STATE OF WESTERN AUSTRALIA, COMMONWEALTH OF AUSTRALIA.

Inventor : 1. WILLIAM JOHN DARTNALL.

Application No. 441/Cal/85 filed June 12, 1985.

Convention dated 12th June, 1984 and 22nd January, 1985 (PG 5469 and PG 8986) both are Australia.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 14 Claims

A pump having a hollow body having an inlet controlled by a first non-return valve which permits the entry of fluid into the body, said pump being characterised by a pipe, which extends into the hollow body, said pipe being slidably received within said body, a seal being located between the hollow body and the pipe, a second non-return valve within said pipe to permit the entry of fluid from within the body to the pipe past the second non-return valve, and drive means to cause relative reciprocation between the pipe and the body.

Compl. Specn. 19 pages.

Drgs. 6 sheets.

CLASS : 51-C 52 A.

163100

Int. Cl. : B 26 d 7/00.

## CUTTING MACHINE.

Applicant : VOEST-ALPINE AKTIENGESELLSCHAFT, OF A-4020 LINZ, MULDENSTRASSE 5, AUSTRALIA.

Inventors : 1. ALFRED ZITZ, 2. WILFRIED MAIER.

Application No. 907/Cal/85 filed December 18, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 12 Claims

Cutting machine (1) comprising a cutting arm (2) being swivellable in height direction and in lateral direction and having rotatably supported thereon cutting heads (5) for rotation around an axis transversely extending relative to the axis of the cutting arm (2), said cutting heads being driven by means of a cutting gearing (7), in which cutting machine the cutting heads (4) are equipped with bits and with nozzles for spraying water and conduits for the supply of water to the nozzles are provided, characterized in that the supply conduit (28) for water opens into an outer front disc (8) rotatably supported for rotation around the axis (9) of rotation of the cutting heads

(5), in that the water supply conduit is in sealing connection with an axial cavity (27) of the cutting head (5) via an essentially axial bore (12) of the front disc (8) and in that the axial cavity (27) of the cutting head (5) is connected with the nozzles via passages (21, 22, 23) provided within the interior of the cutting head.

Compl. Specn. 13 pages.

Drgs. 3 sheets.

CLASS : 160 C.

163101

Int. Cl. : B60r 1/02, 1/06.

## "REAR VIEW MIRROR ASSEMBLY".

Applicant : BRITAX (WINGARD) LIMITED, A BRITISH COMPANY OF CHANDLER ROAD, CHICHESTER, WEST SUSSEX PO19 2UG, ENGLAND.

Inventors : DOUGLAS JAMES CUNNINGHAM AND PAUL WILLIAM TURNER.

Application for Patent No. 747/Del/83 filed on 9th November, 1983.

Convention date 23rd November, 1982/8233360/(U. K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 065.

## 6 Claims

A rear view mirror assembly for a vehicle comprising a mounting stem adapted to be secured at a first end to the body of a vehicle, a mirror carrier supporting a reflective member and tiltably secured to the other end of the mounting element and a mounting member moulded integrally of resilient plastics material and comprising a body portion having a first end attached to said other end of the mounting stem, a lever in pivotal engagement with the mirror carrier and connected to a second end of the body portion by an integral hinge, and a flexible coupling portion having one end connected to the body portion at a location adjacent to the first end thereof and having its other end rigidly connected to the lever adjacent to the hinge, the length of the coupling portion differing from the distance between the hinge and said end location so that the coupling element has two stable positions with its mid point respectively in front of and behind the plane containing the hinge and said end location.

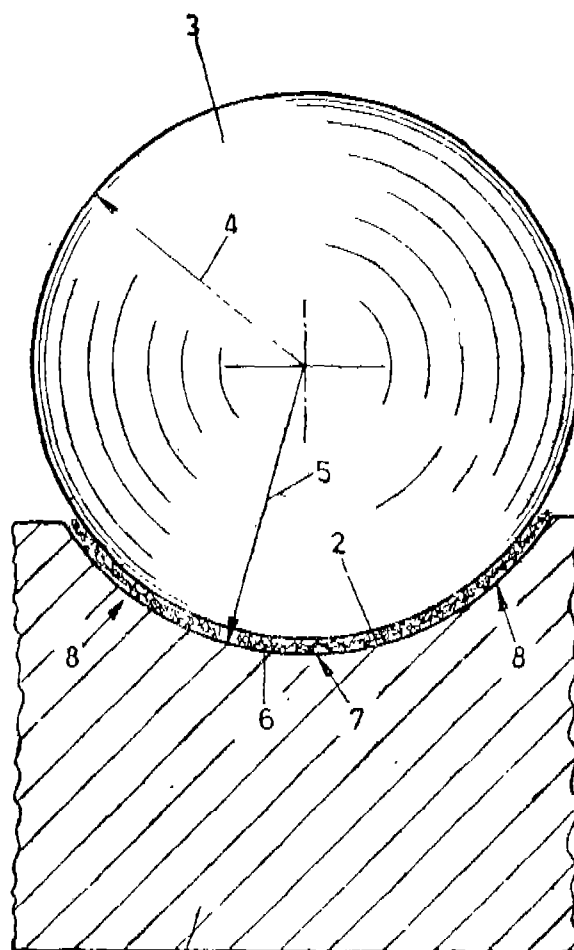
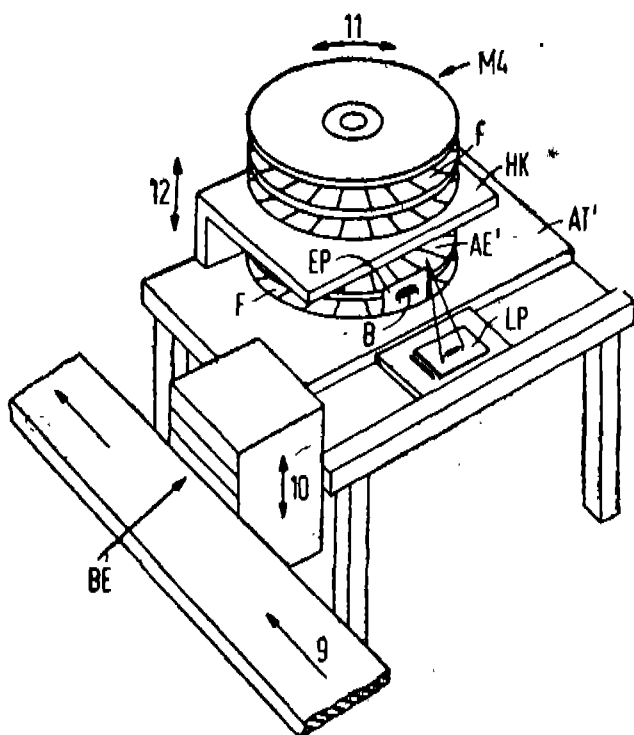
Compl. Specn. 7 pages.

Drgs. 3 sheets.

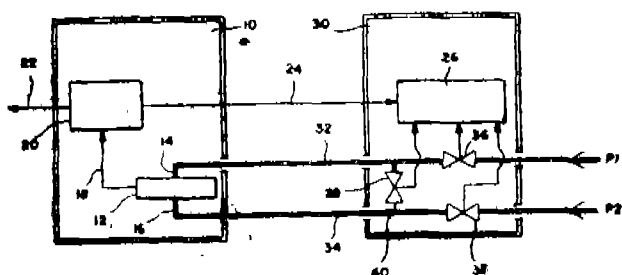
R. A. ACHARYA,  
Controller General of Patents, Designs and  
Trade Marks.

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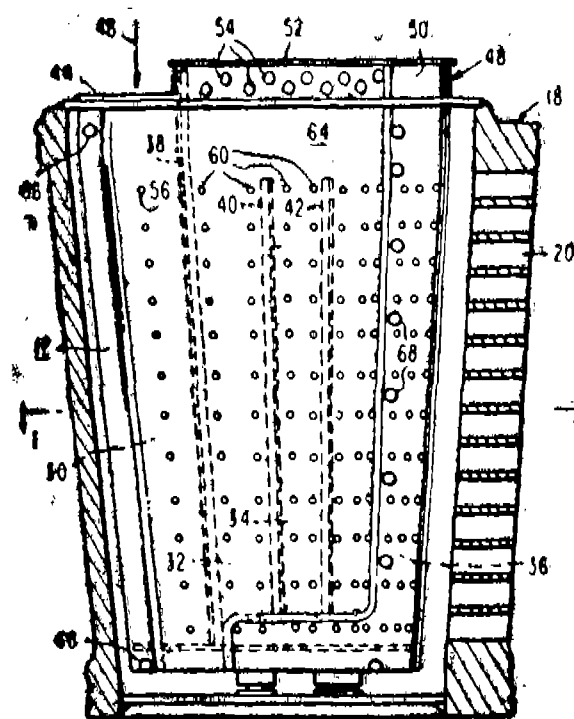
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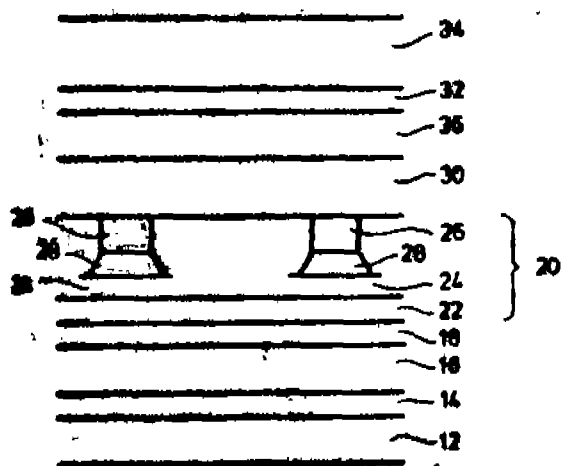
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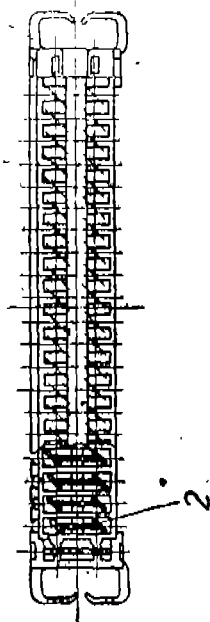


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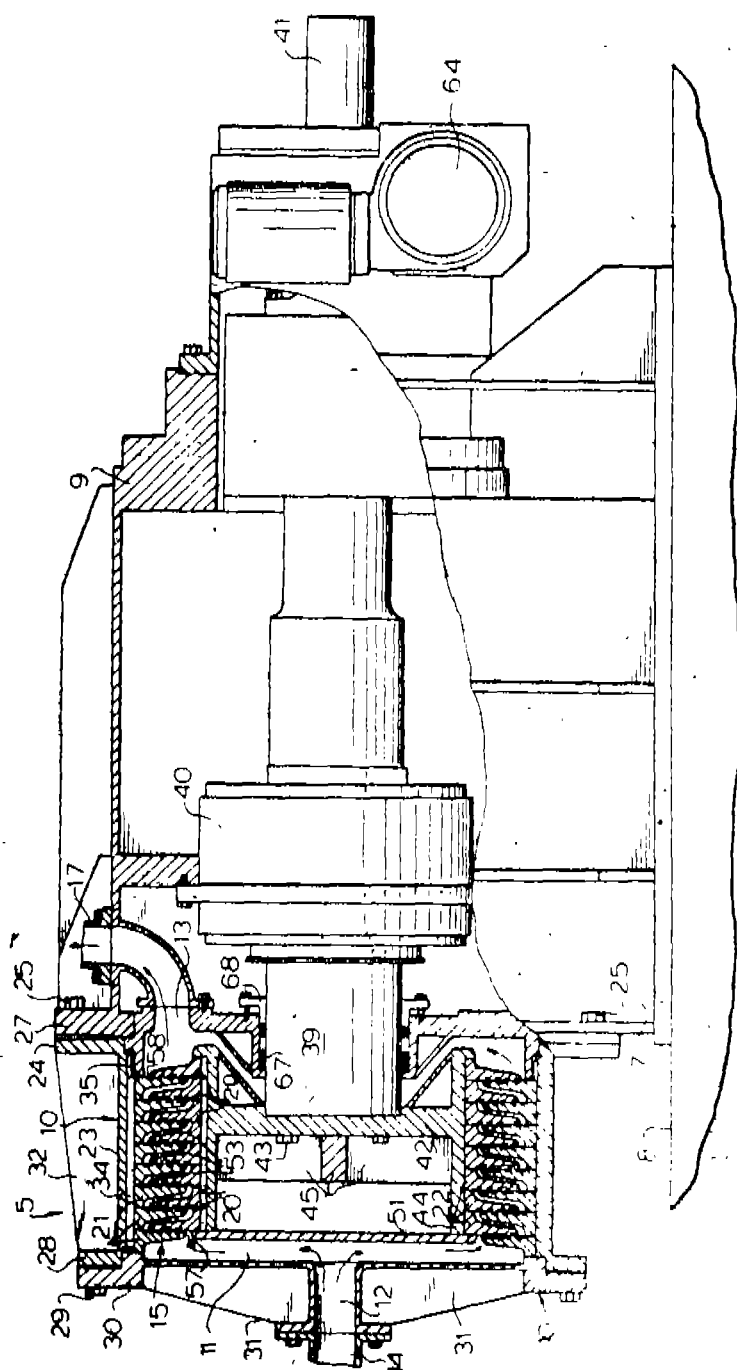


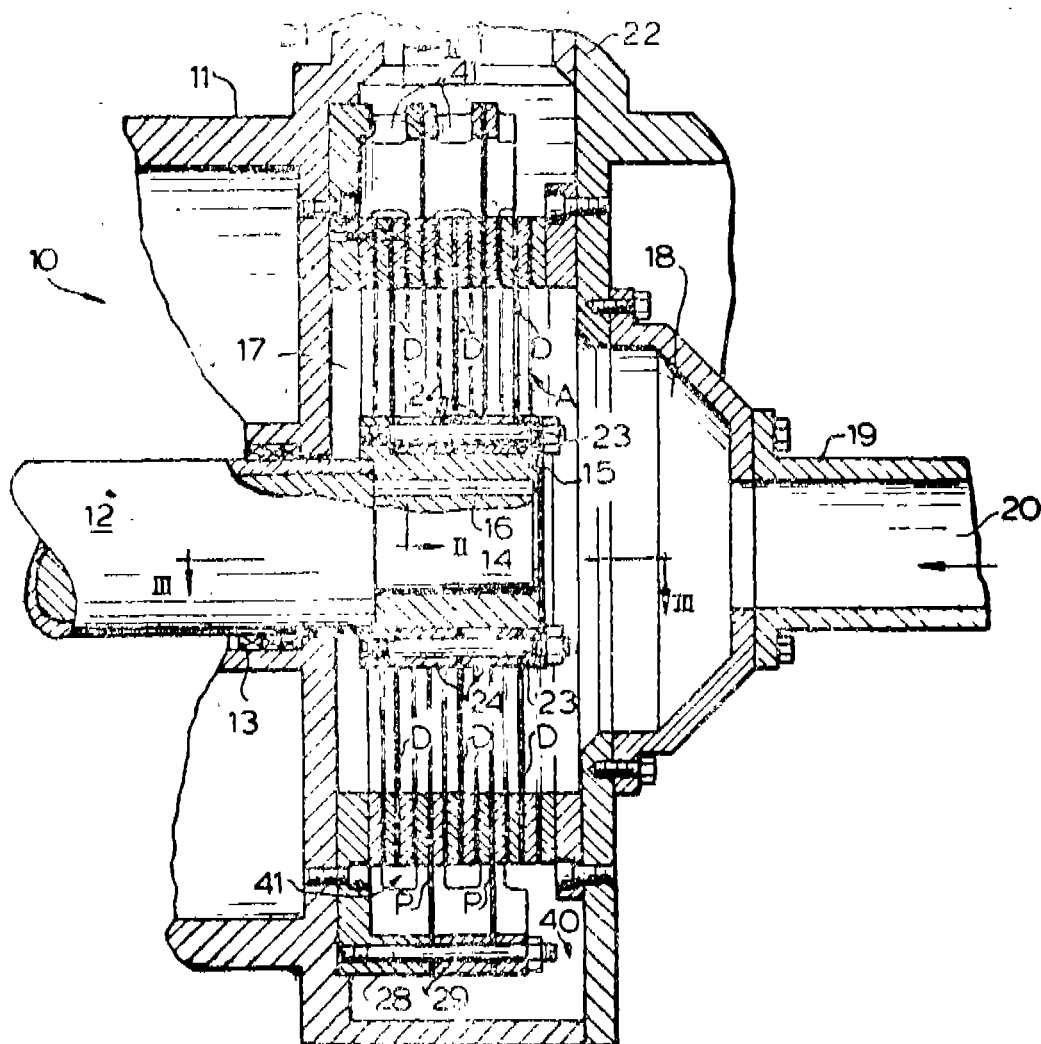
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Fig. 1

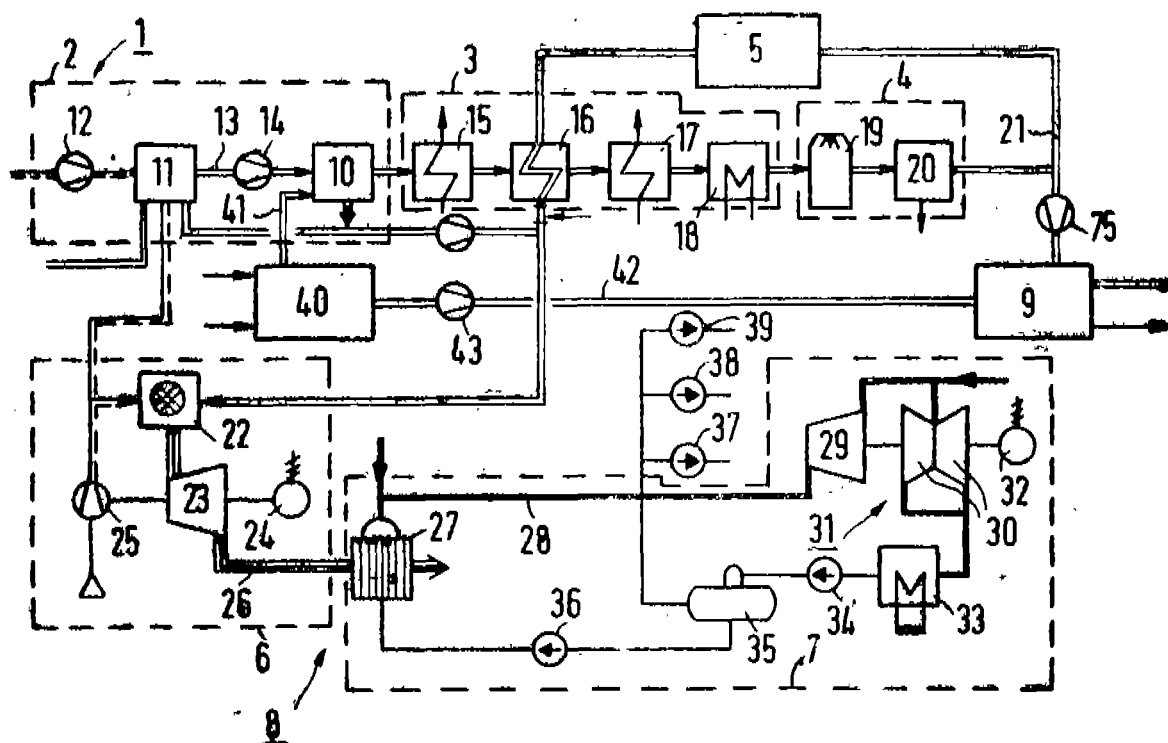


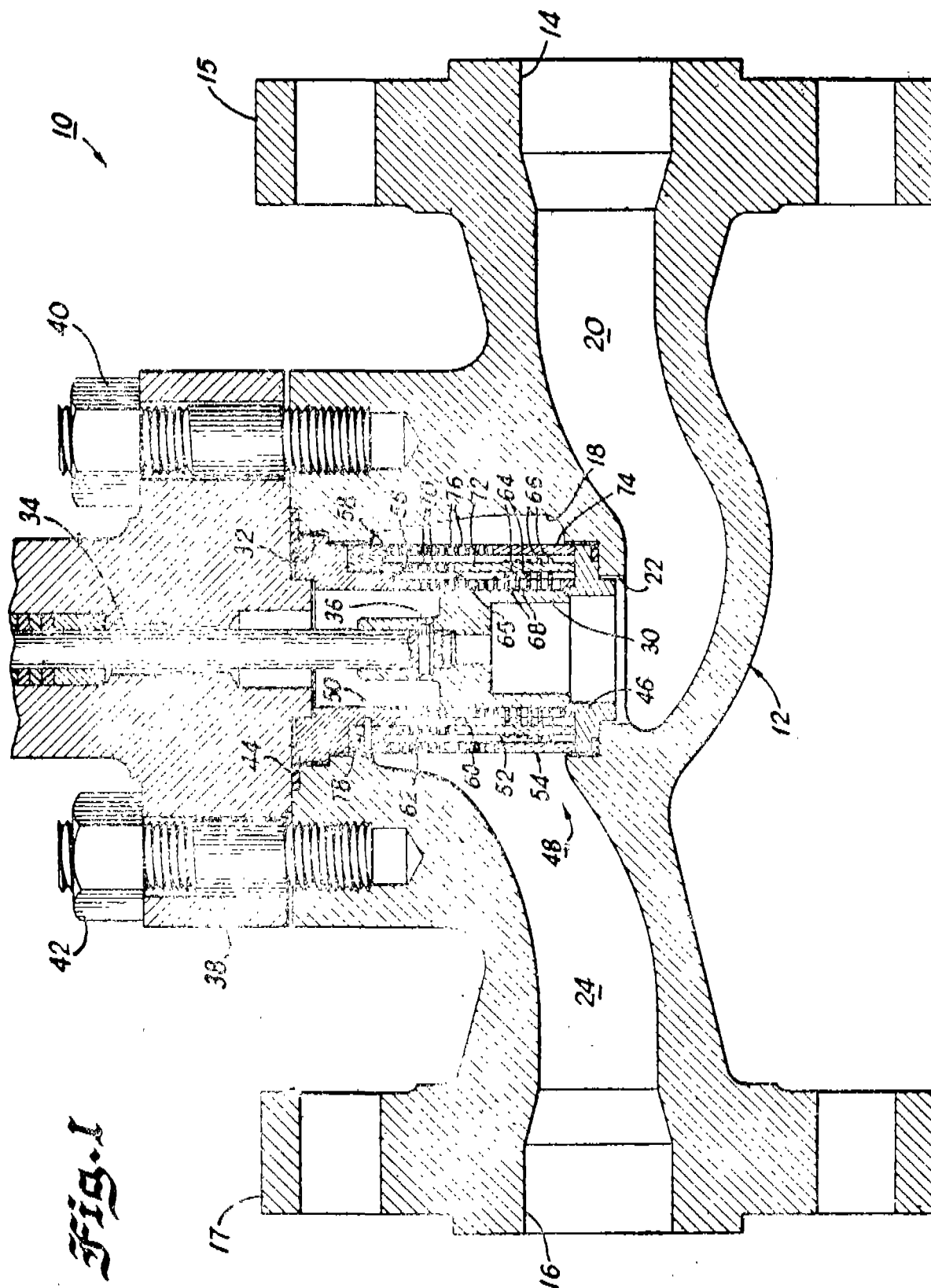
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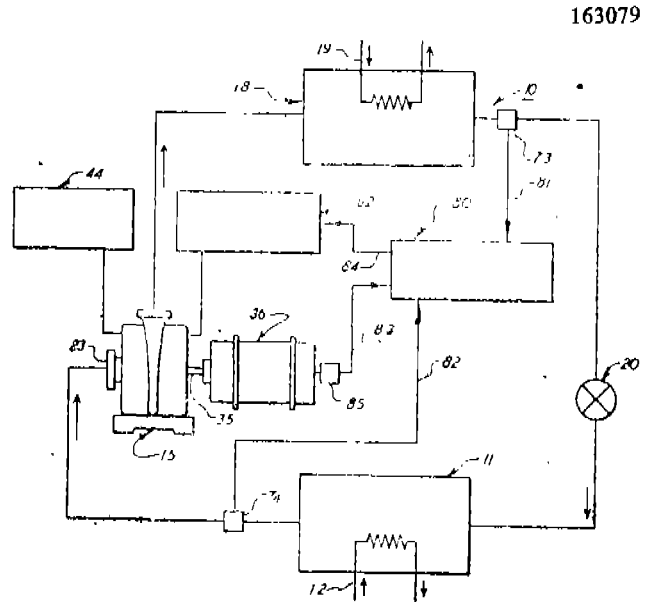
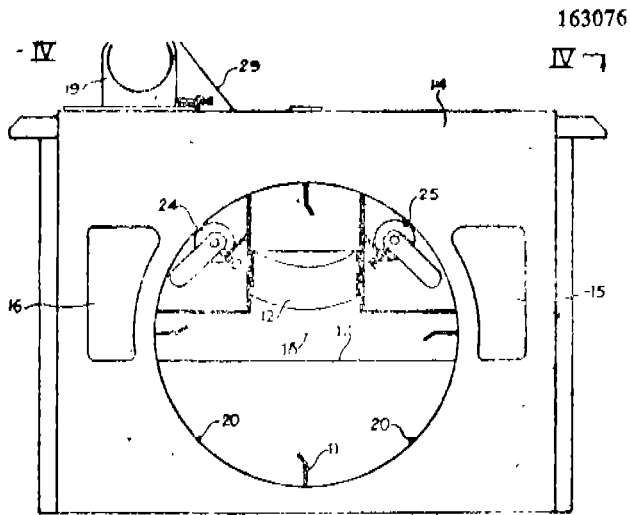




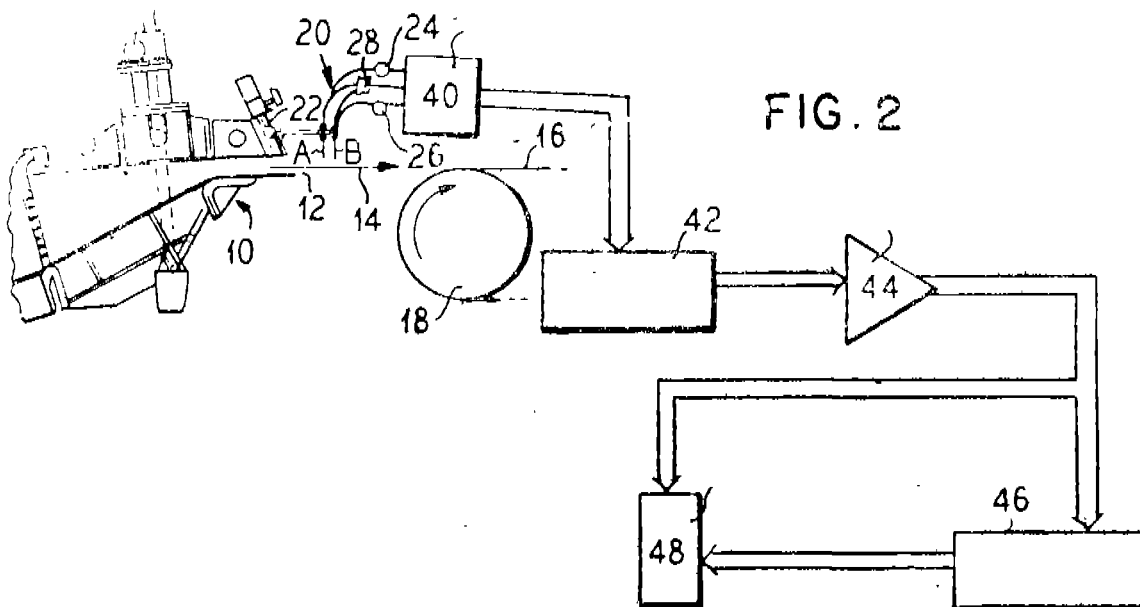
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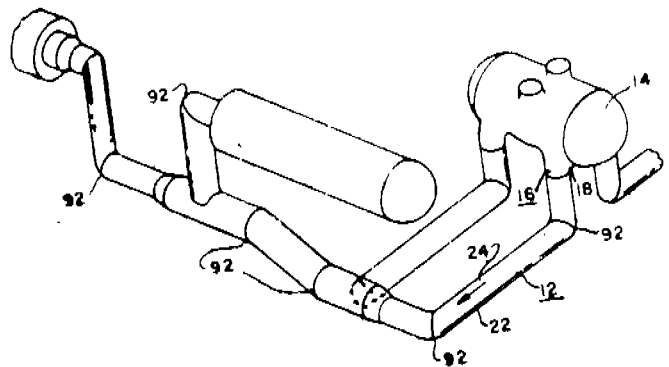
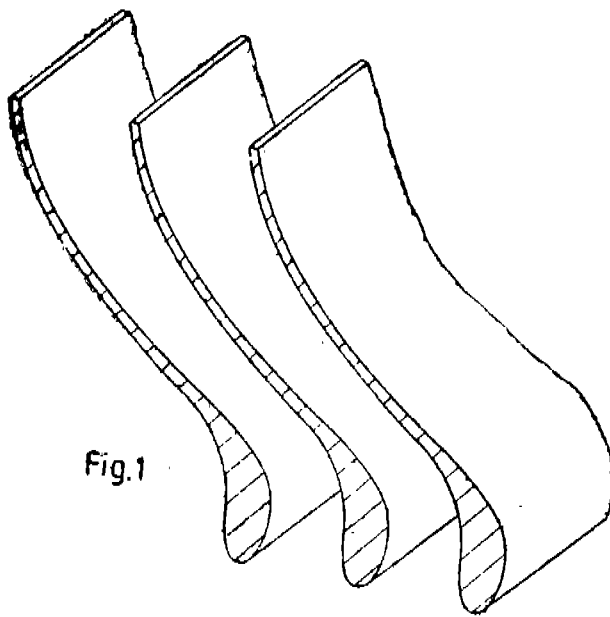
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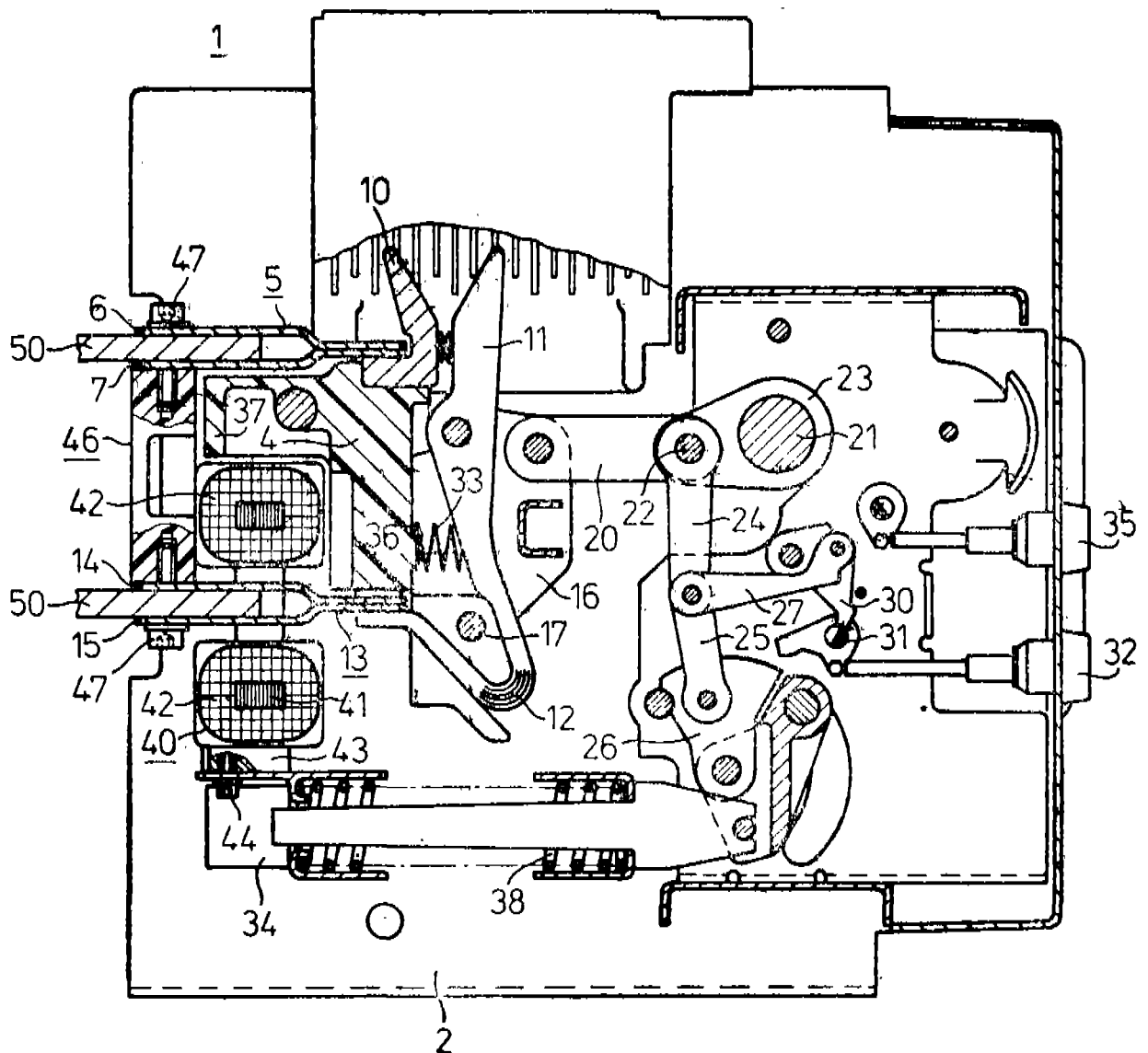


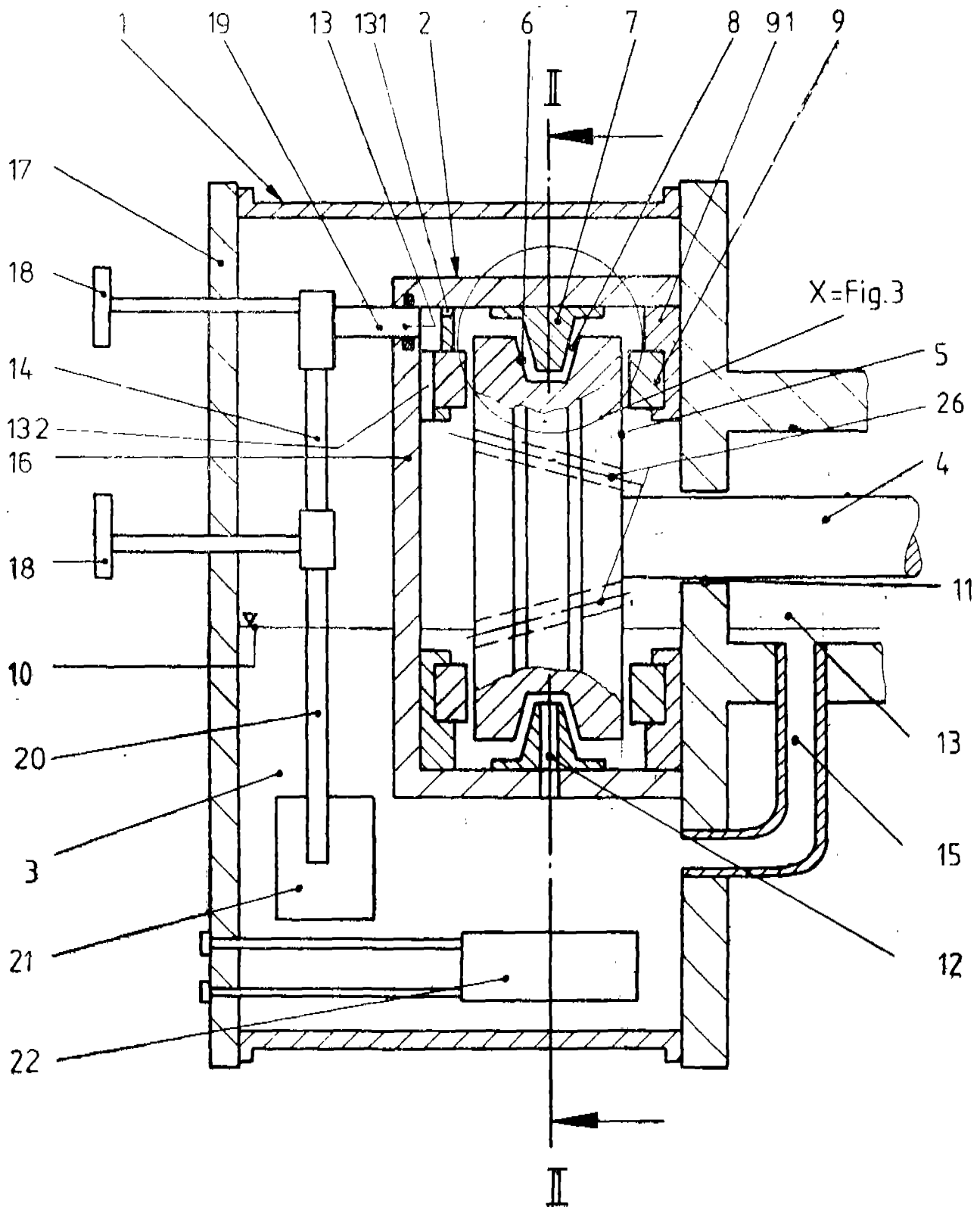
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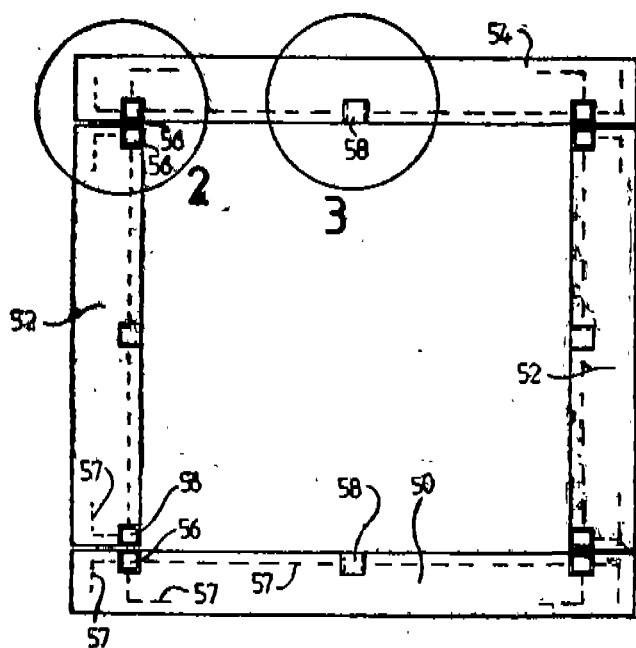


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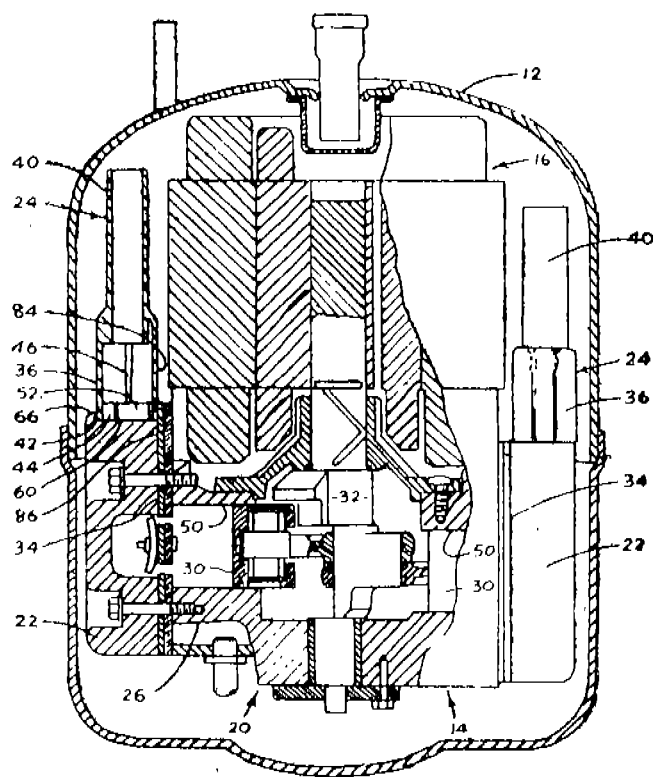




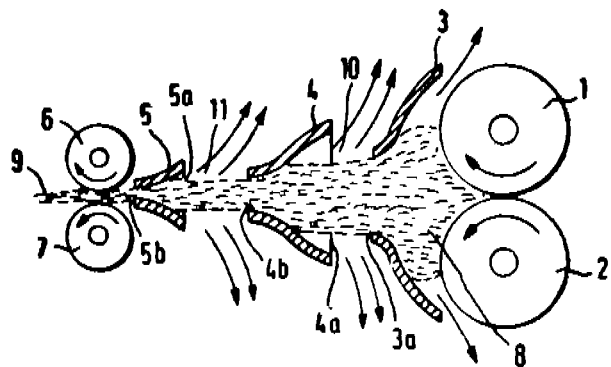
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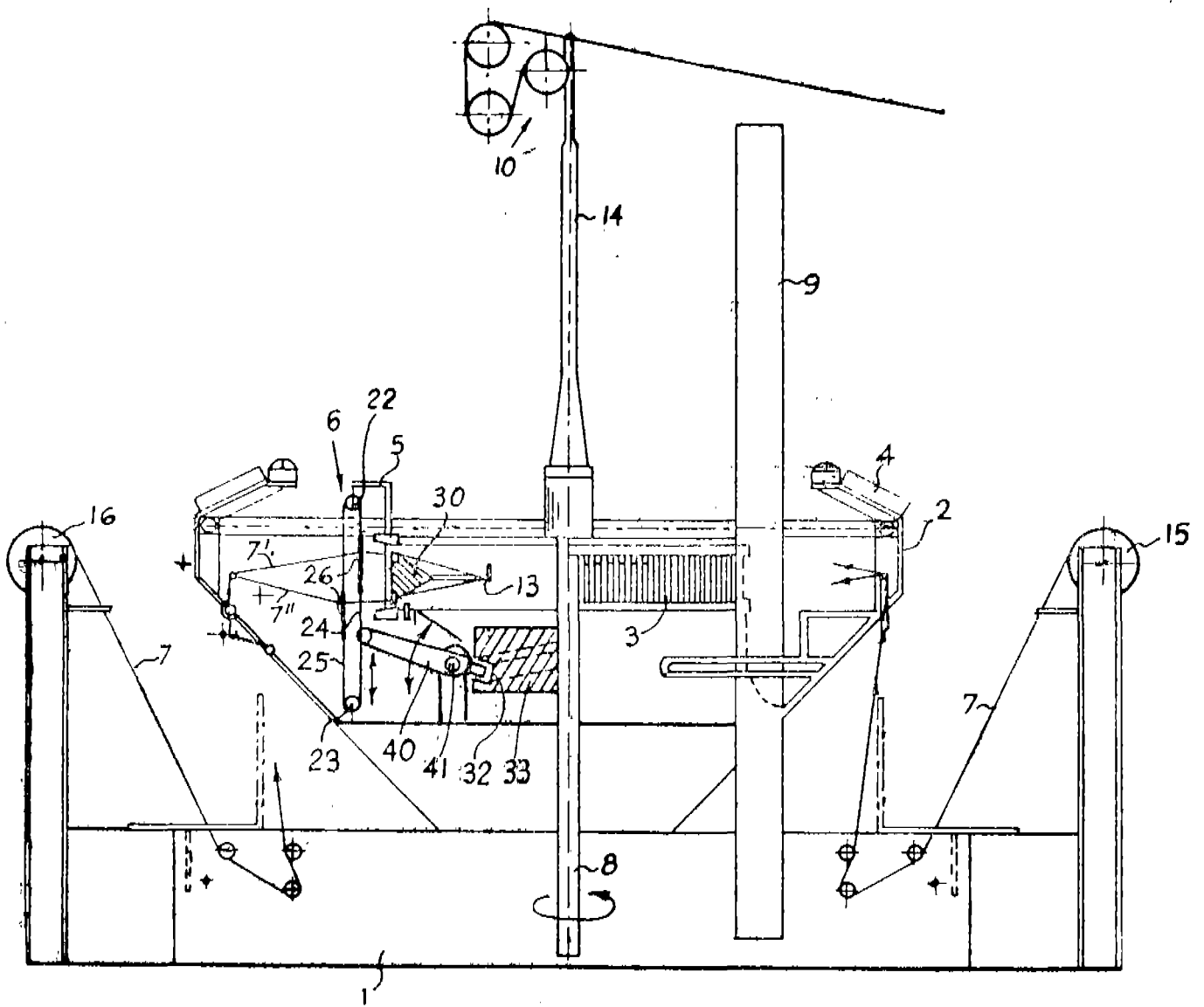


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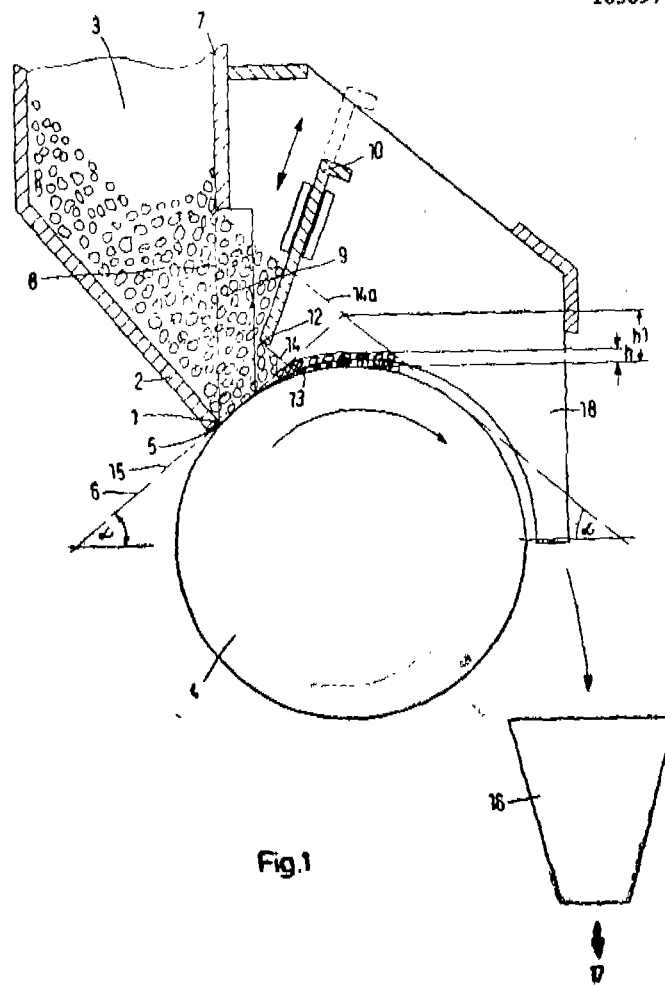
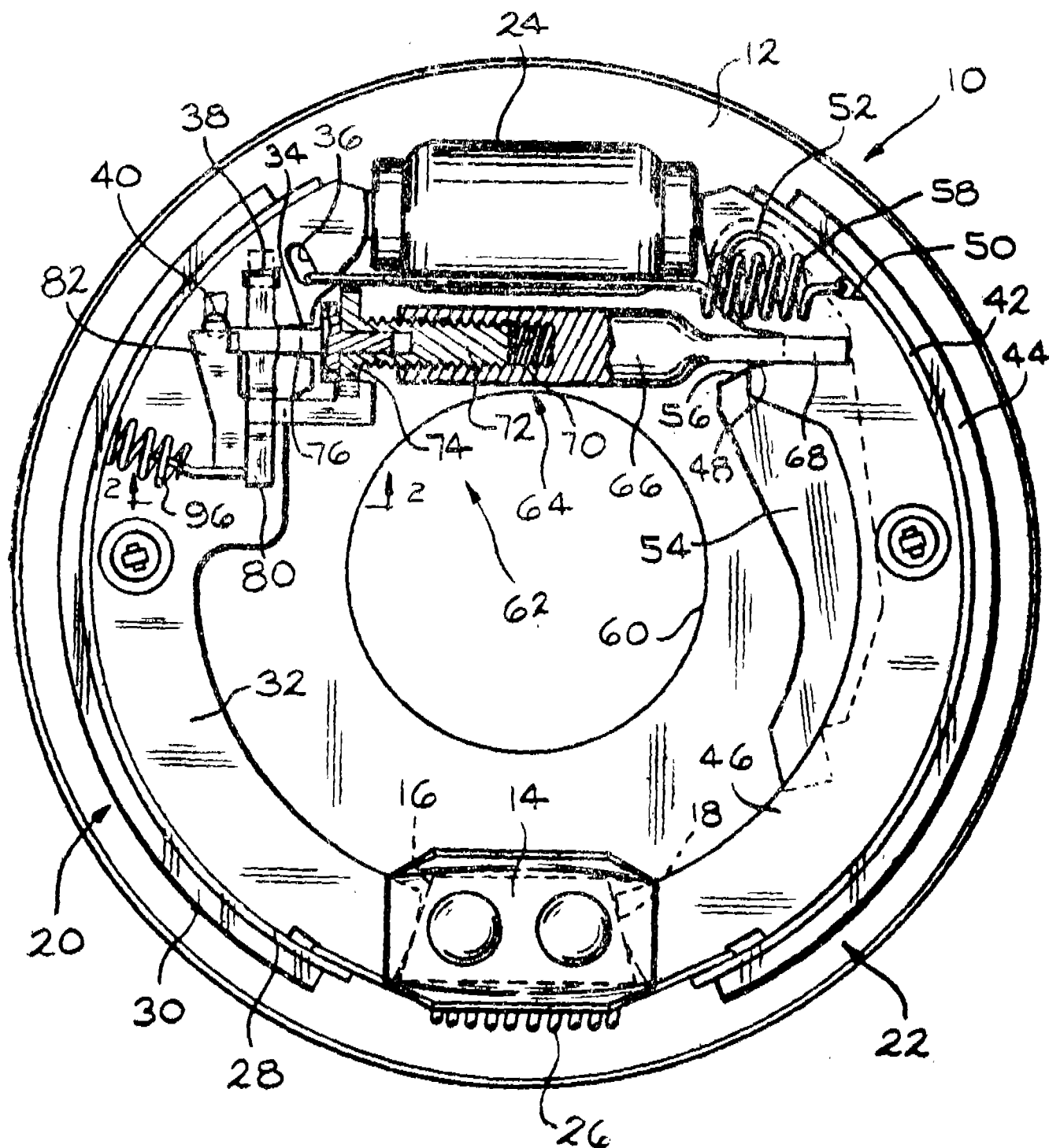


Fig.1



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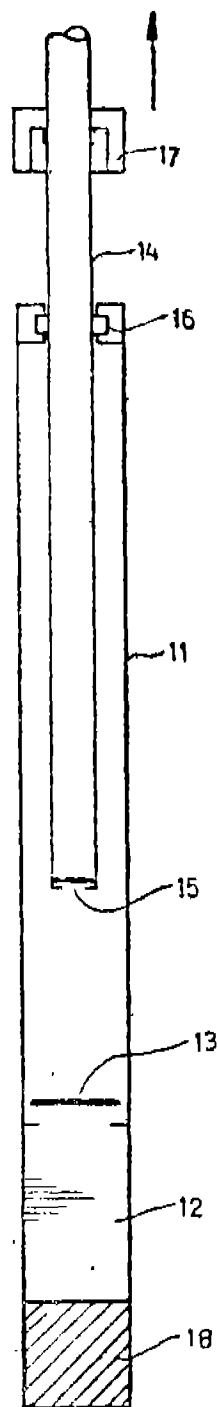
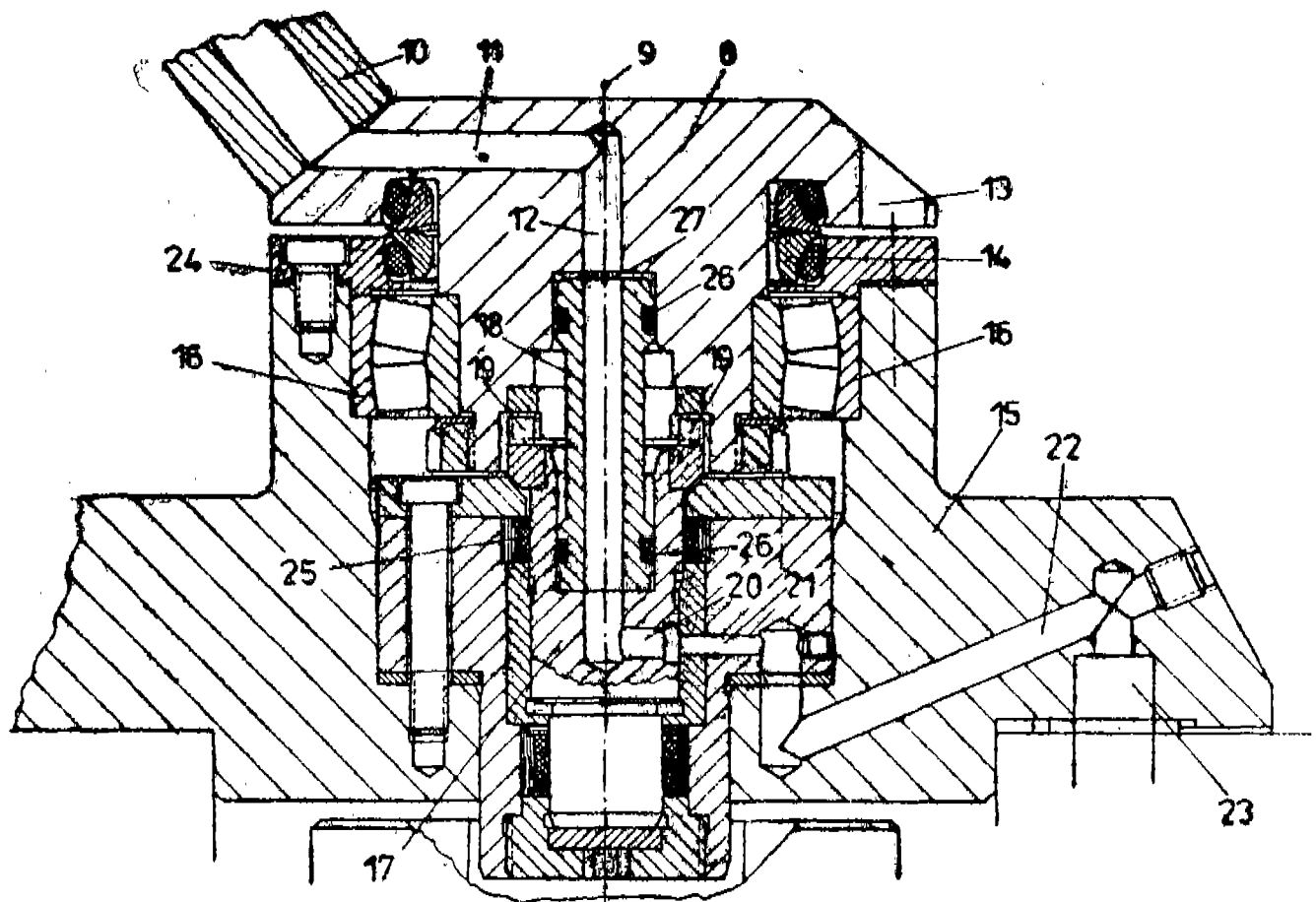


Fig. I.

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